

# Product Datasheet

## SIAE Antibody H00054414-B01P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00054414-B01P**

SIAE Antibody

| Product Information |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Unit Size           | 0.05 mg                                                                                                          |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.                                                     |
| Clonality           | Polyclonal                                                                                                       |
| Preservative        | No Preservative                                                                                                  |
| Isotype             | IgG                                                                                                              |
| Purity              | Protein A purified                                                                                               |
| Buffer              | PBS (pH 7.4)                                                                                                     |

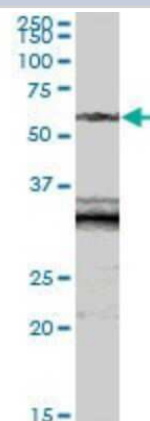
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene ID                 | 54414                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol             | SIAE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Species                 | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity/Sensitivity | SIAE - sialic acid acetyltransferase,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen               | SIAE (NP_733746.1, 1 a.a. - 523 a.a.) full-length human protein.<br>MVAPGLVLGLVPLILWADRSAGIGFRFASYINNDMLVQLKEPAGAVIWGFGTPG<br>ATVTVTLRQGQETIMKKVTSVKAHSDTWMVVLDPMPKGGPFVMAQQQTLEKIN<br>FTLRVHDLVFGDVWLCSGQSNMQMTVLQIFNATRELSNTAAYQSVRILSVSPIQ<br>AEQELEDLVAVDLQWSKPTSENLGHYFKYMSAVCWLFGRHLYDTLQYPIGLI<br>ASSWGGTPIEAWSSGRSLKACGVPKQGSIPYDSVTGPSKHSVLWNAMIHPLC<br>NMTLKGVVWYQGESHINYNNTDLYNCTFPALIEDWRETFHRGSQGQTERFFPF<br>GLVQLSSDLSKKSSDDGFPQIRWHQTADFGYVPNPKMPNTFMAMVAMDLCDRD<br>SPFGSIHPRDKQTVAYRLHLGARALAYGEKNLTFEGPLPEKIELLAHKGLLNLT<br>YQQIQVQKKDNKIFEISCCSDHRCKWLPASMNTVSTQSLTLAIDSCHGTVVALR<br>YAWTTWPCEYKQCPLYHPSSALPAPPFIATDQGPQHQSNAK |
| Notes                   | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Product Application Details |                                                                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry, Immunoprecipitation                                                                                                                                                                                      |
| Recommended Dilutions       | Western Blot 1:500, Immunohistochemistry, Immunoprecipitation 1:10-1:500                                                                                                                                                                     |
| Application Notes           | Antibody reactive against Recombinant Protein with GST tag on ELISA and Western Blot and also on transfected lysate in western blot. GST tag alone is used as a negative control. Immunoprecipitation was reported in scientific literature. |

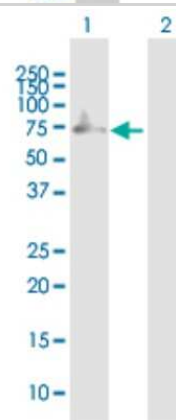


## Images

Western Blot: SIAE Antibody [H00054414-B01P] - Analysis of SIAE expression in human colon.



Western Blot: SIAE Antibody [H00054414-B01P] - Analysis of SIAE expression in transfected 293T cell line by SIAE polyclonal antibody. Lane1:SIAE transfected lysate(57.53 KDa). Lane2:Non-transfected lysate.



## Publications

Bouma HR, Strijkstra AM, Boerema AS, and Henning RH Induction of a Torpor-Like State by 5'-AMP Does Not Depend on H<sub>2</sub>S Production. PLoS One. 2015-08-21 [PMID: 26295351]

Yang G, Ju Y, Fu M et al. Cystathionine gamma-lyase/hydrogen sulfide system is essential for adipogenesis and fat mass accumulation in mice. Biochim Biophys Acta 2017-11-28 [PMID: 29191638]

Lin Y, Zeng H, Gao L et al. Hydrogen Sulfide Attenuates Atherosclerosis in a Partially Ligated Carotid Artery Mouse model via Regulating Angiotensin Converting Enzyme 2 Expression. Front Physiol 2017-10-10 [PMID: 29066981]

Bourque C, Zhang Y, Fu M et al. H<sub>2</sub>S protects lipopolysaccharide-induced inflammation by blocking NF- $\kappa$ B transactivation in endothelial cells. Toxicol Appl Pharmacol 2017-11-08 [PMID: 29128401]

d'Emmanuele di Villa Bianca R, Mitidieri E, Di Minno MN et al. Hydrogen sulphide pathway contributes to the enhanced human platelet aggregation in hyperhomocysteinemia. Proc Natl Acad Sci U S A. 2013-09-24 [PMID: 24019484] (WB, Human)

Chellappa V, Taylor KN, Pedrick K et al. M89V Sialic Acid Acetyl Esterase (SIAE) and All Other Non-Synonymous Common Variants of This Gene Are Catalytically Normal PLoS One 2013-01-01 [PMID: 23308225] (IP, WB, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA

Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada

Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis.  
Primary Antibodies are guaranteed for 1 year from date of receipt.

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