

# Product Datasheet

## Aldolase C Antibody (E9) - BSA Free NBP2-50056

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-50056**

Aldolase C Antibody (E9) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	E9
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	40 kDa

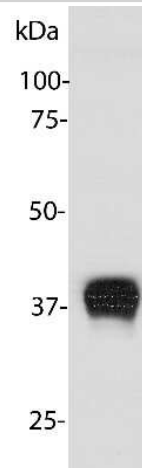
Product Description	
Description	Novus Biologicals Mouse Aldolase C Antibody (E9) - BSA Free (NBP2-50056) is a monoclonal antibody validated for use in WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	230
Gene Symbol	ALDOC
Species	Human, Mouse, Rat
Specificity/Sensitivity	Also reacts with Aldolase A and B.
Immunogen	Full length recombinant human Aldolase C. [UniProt# P09972]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:10000, Immunocytochemistry/ Immunofluorescence 1:1000 - 1:5000

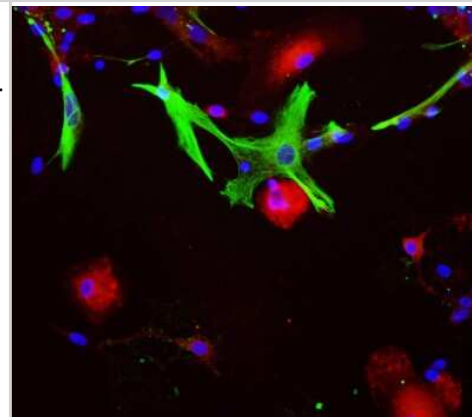


## Images

**Western Blot: Aldolase C Antibody (E9) [NBP2-50056]** - Right: Blots of rat brain lysate blotted with NBP2-50056. NBP2-50056 binds strongly and cleanly to a band at about 40 kDa. This antibody binds to an epitope shared by the closely related Aldolase A, B and C, recognizing all three on western blots. Above: Blots of recombinant human Aldolase A, B and C with NBP2-50056 as indicated showing binding to all three gene products. Lane labelled S show molecular weight standards, while lanes A, B and C contain recombinant full length His-tagged human Aldolase A, B and C respectively. The epitope for NBP2-50056 is within the core of the three Aldolase molecules which are less conserved than the N and C-termini where Aldolase C specific antibodies bind. The specificity of two other Aldolase antibodies is shown in the indicated parts of the image. One antibody binds to the N-terminal peptide (clone 4A9) and one to the C-terminal peptide (clone 1A1).



**Immunocytochemistry/Immunofluorescence: Aldolase C Antibody (E9) [NBP2-50056]** - View of mixed neuron/glia cultures stained with NBP2-50056 (red) and chicken antibody to GFAP (NBP1-05198, green). NBP2-50056 reveals strong cytoplasmic staining in astrocytes. Blue is a DNA stain. Aldolase stains the astrocytes cell body and processes, whereas GFAP labels the intermediate filament of the cytoskeleton in subset of astrocytes.





### **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  
nb-customerservice@bio-techne.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](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Products Related to NBP2-50056**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-49693	Recombinant Human Aldolase C Protein

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### **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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