

Product Datasheet

Tie-2 Antibody - BSA Free NBP1-69753

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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NBP1-69753

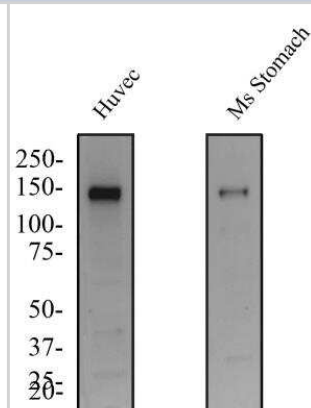
Tie-2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	7010
Gene Symbol	TEK
Species	Human, Mouse
Immunogen	A genomic peptide made to an internal region of the human TIE2 protein (within residues 250-400). [Swiss-Prot Q02763]
Notes	Manufactured by Genomic Antibody Technology™. GAT FAQs
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2500, Simple Western 1:50, Immunohistochemistry 1:200, Immunohistochemistry-Paraffin 1:200
Application Notes	<p>This TIE2 antibody is useful for Western blot where a band is seen ~150 kDa, and Immunohistochemistry-paraffin embedded sections where membrane, cytoplasmic and nuclear signal is seen in mouse intestines. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See Simple Western Antibody Database for Simple Western validation: Tested in HUVEC lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:50, apparent MW was 164 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

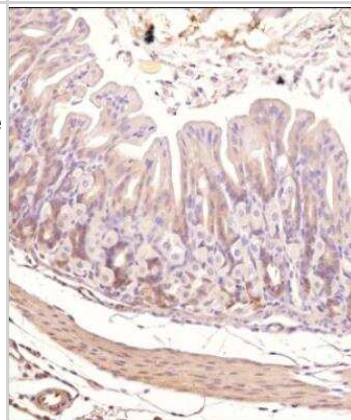


Images

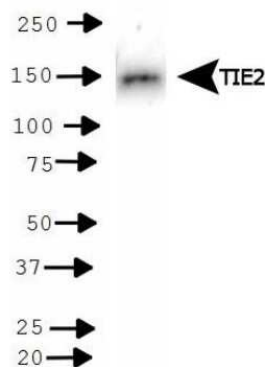
Western Blot: Tie-2 Antibody [NBP1-69753] - Total protein from human Huvec cells and mouse stomach tissue was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/ml anti-TIE2 in 1% non-fat milk in TBST and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.



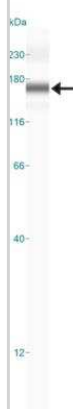
Immunohistochemistry-Paraffin: Tie-2 Antibody [NBP1-69753] - Analysis of a FFPE tissue section of mouse stomach using 1:200 dilution of Tie-2 antibody (NBP1-69753). The staining was developed using HRP labeled anti-rabbit secondary antibody and DAB reagent, and nuclei of cells were counter-stained with hematoxylin.



Western Blot: Tie-2 Antibody [NBP1-69753] - Detection of TIE2 in Huvec cell lysate



Simple Western: Tie-2 Antibody [NBP1-69753] - Simple Western lane view shows a specific band for Tie-2 in 0.5 mg/ml of HUVEC lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Bandyopadhyay S, Duffy MP, Ahn KJ et al. Mapping the cellular biogeography of human bone marrow niches using single-cell transcriptomics and proteomic imaging. Cell 2024-06-07 [PMID: 38714197]

Shao, L;Sottoriva, K;Palasiewicz, K;Zhang, J;Hyun, J;Soni, SS;Paik, NY;Gao, X;Cuervo, H;Malik, AB;Rehman, J;Lucas, D;Pajcini, KV; A Tie2-Notch1 signaling axis regulates regeneration of the endothelial bone marrow niche Haematologica 2019-03-28 [PMID: 30923091] (WB, Mouse)

Liu C, Tang J, Li C et al. PADI4 Stimulates Esophageal Squamous Cell Carcinoma Tumor Growth and Up-regulates CA9 Expression. Mol. Carcinog. 2018-09-22 [PMID: 30242913] (IF/IHC, Human)

Sun L, Zhang H, Bi L et al. Angiopoietin-1 facilitates recovery of hematopoiesis in irradiated mice. Am J Transl Res 2016-06-27 [PMID: 27347310] (IF/IHC, Mouse)





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Products Related to NBP1-69753

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-69753B	Tie-2 Antibody [Biotin]

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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