

Product Datasheet

Angiopoietin-2 Antibody (MM0020-1F29) - Azide and BSA Free NB110-85467

Unit Size: 0.1 mg

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

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NB110-85467

Angiopoietin-2 Antibody (MM0020-1F29) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MM0020-1F29
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterilized PBS to a final concentration of 0.2 mg/ml.
Isotype	IgG2
Purity	Protein G purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS. 0.025 mg size is provided in liquid form, PBS

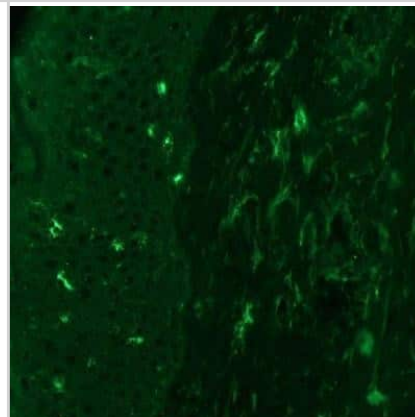
Product Description	
Host	Mouse
Gene ID	285
Gene Symbol	ANGPT2
Species	Human, Chicken
Reactivity Notes	Chicken data from customer review.
Specificity/Sensitivity	No cross reactivity with human Angiopoietin-1
Immunogen	Human recombinant Angiopoietin-2

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:25, Immunohistochemistry-Paraffin 1:100-1:200, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	By Western blot, this antibody detects a band at ~60-75 kDa under reducing conditions. Has been reported to work in Immunohistochemistry-Frozen (PMID 22302773) and Immunofluorescence in a customer review.

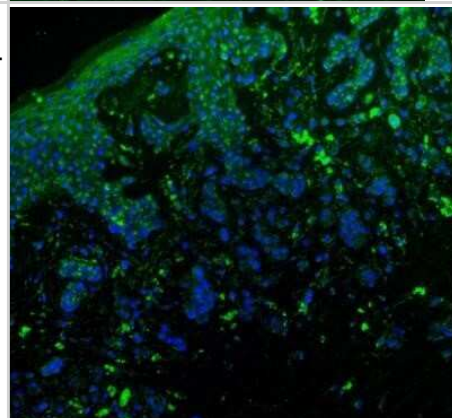


Images

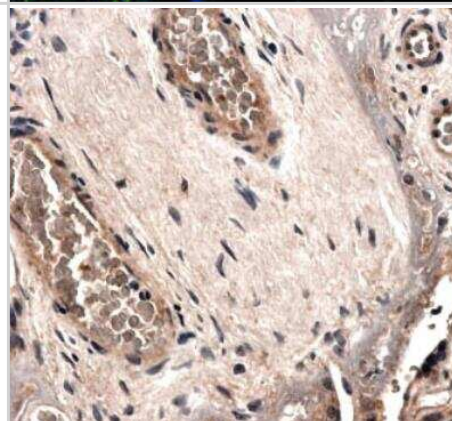
Immunocytochemistry/Immunofluorescence: Angiopoietin-2 Antibody (MM0020-1F29) [NB110-85467] - Staining of frozen human skin sections using Angiopoietin 2 antibody at 1:25 dilution. Image provided via product review by verified customer.



Immunohistochemistry: Angiopoietin-2 Antibody (MM0020-1F29) [NB110-85467] - Ang-2 (green) was detected in human skin (nevus) using Ang2-Alexa Fluor 488 antibody (1:40) in PBS for 1 hour. Nuclei were stained with DAPI (blue). Tissue was fixed with acetone. Image from a verified customer review. Image using the Alexa Fluor 488 format of this antibody.



Immunohistochemistry: Angiopoietin-2 Antibody (MM0020-1F29) [NB110-85467] - Normal Human placenta tissue



Publications

Yu B, Shen K, Li T et al. Glycolytic enzyme PFKFB3 regulates sphingosine 1-phosphate receptor 1 in proangiogenic glomerular endothelial cells under diabetic condition *American journal of physiology. Cell physiology* 2023-10-02 [PMID: 37781737]

GN Yin, HR Jin, MJ Choi, A Limanjaya, K Ghatak, NN Minh, J Ock, MH Kwon, KM Song, HJ Park, HM Kim, YG Kwon, JK Ryu, JK Suh Pericyte-Derived Dickkopf2 Regenerates Damaged Penile Neurovasculature Through an Angiopoietin-1-Tie2 Pathway *Diabetes*, 2018-03-20;0(0):. 2018-03-20 [PMID: 29559443]

Sopo M, Sallinen H, Hamalainen K et al. High expression of Tie-2 predicts poor prognosis in primary high grade serous ovarian cancer *Am J Physiol Gastrointest Liver Physiol* 2020-11-04 [PMID: 33151982]

Rueda EM, Hall BM, Hill MC et al. Gene expression and promoter methylation of angiogenic and lymphangiogenic factors as prognostic markers in melanoma *Mol Oncol* 2019-05-08 [PMID: 31069961] (IF, Chicken)

de Vries DK, Khairoun M, Lindeman JH et al. Renal Ischemia-Reperfusion Induces Release of Angiopoietin-2 From Human Grafts of Living and Deceased Donors. *Transplantation*. 2013-08-15 [PMID: 23839000] (IHC-Fr, Human)

Laquer VT, Dao BM, Pavlis JM, Nguyen AN, Chen TS, Harris RM, Rugg EL, Kelly KM. Immunohistochemistry of angiogenesis mediators before and after pulsed dye laser treatment of angiomas. *Lasers Surg Med*. doi: 10.1002/lsm.22005. 2012-02-02 [PMID: 22302773]





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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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