

# 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

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

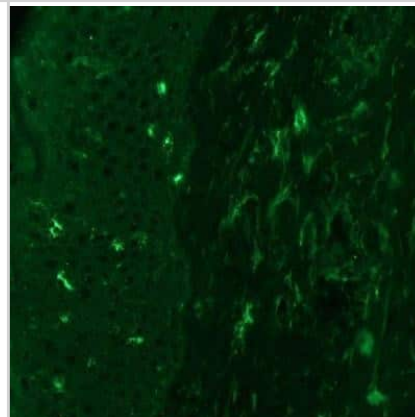
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	285
<b>Gene Symbol</b>	ANGPT2
<b>Species</b>	Human, Chicken
<b>Reactivity Notes</b>	Chicken data from customer review.
<b>Specificity/Sensitivity</b>	No cross reactivity with human Angiopoietin-1
<b>Immunogen</b>	Human recombinant Angiopoietin-2

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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.

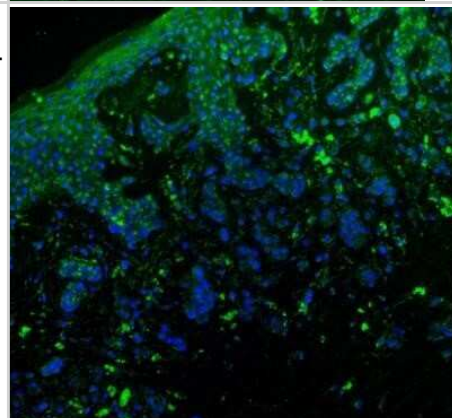


## Images

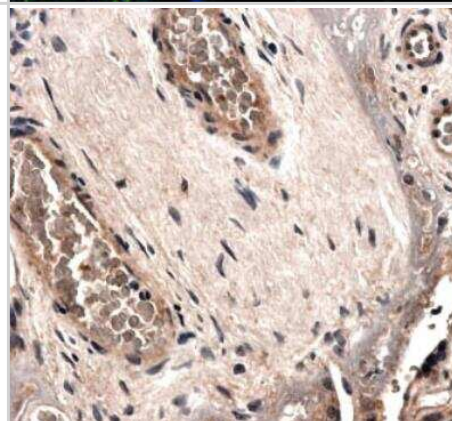
Immunocytochemistry/Immunofluorescence: Angiopoietin-2 Antibody (MM0020-1F29) [NB110-85467] - Staining of frozen human skin sections using Angiopoietin 2 antibody at 1:25 dilution. Image provided via product review by verified customer.



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

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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### **Products Related to NB110-85467**

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NBL1-07522	Angiopoietin-2 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-77507-0.05mg	Recombinant Human Angiopoietin-2 His 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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