

For Research Use Only

ANTXR2 Polyclonal antibody

Catalog Number: 16723-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 16723-1-AP	GenBank Accession Number: BC107876	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 118429	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: anthrax toxin receptor 2	Calculated MW: 54 kDa
Isotype: IgG	Observed MW: 55 kDa	Immunogen Catalog Number: AG10162

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, PC-3 cells
Cited Applications: CoIP, IHC, IP, WB	IP : HEK-293 cells,
Species Specificity: human	IHC : human ovary tissue, human kidney tissue, human placenta tissue, human testis tissue, human lung tissue
Cited Species: Camelus bactrianus, human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ANTXR2 (anthrax toxin receptor 2), also known as CMG2 (capillary morphogenesis gene 2 protein) is a transmembrane protein that is induced during capillary morphogenesis. It contains a vWA domain that shows strong binding to laminin and collagen IV, suggesting that this protein plays a role in basement membrane matrix assembly and endothelial cell morphogenesis (PMID: 11683410; 14508707). Like its paralog TEM8 (ANTXR1), ANTXR2 also functions as a receptor for anthrax toxin. Mutations in ANTXR2 result in the allelic disorders juvenile hyaline fibromatosis and infantile systemic hyalinosis (PMID: 14508707; 12973667; 22383261).

Notable Publications

Author	Pubmed ID	Journal	Application
Muhammad U Anwar	36174556	Dev Cell	WB
Liukun Meng	33749907	FASEBJ	IHC
Oksana A Sergeeva	30610172	Proc Natl Acad Sci U S A	WB,IP

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

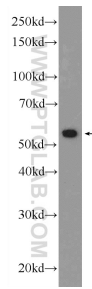
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

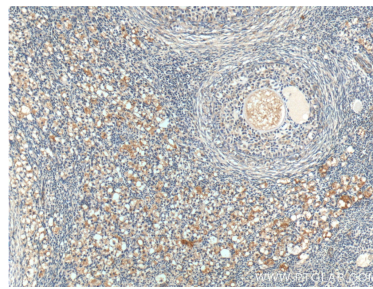
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

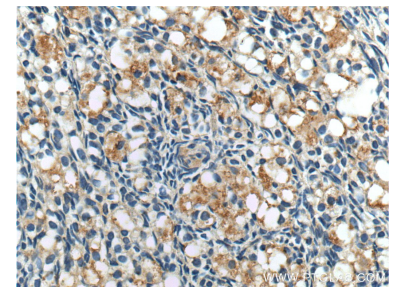
Selected Validation Data



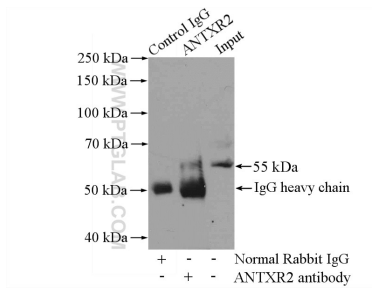
HEK-293 cells were subjected to SDS PAGE followed by western blot with 16723-1-AP (ANTXR2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tissue slide using 16723-1-AP (ANTXR2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tissue slide using 16723-1-AP (ANTXR2 Antibody) at dilution of 1:200 (under 40x lens).



IP Result of anti-ANTXR2 (IP:16723-1-AP, 4ug; Detection:16723-1-AP 1:500) with HEK-293 cells lysate 2800ug.