

For Research Use Only

SEMA7A Polyclonal antibody

Catalog Number: 18070-1-AP **2 Publications**



Basic Information

Catalog Number: 18070-1-AP	GenBank Accession Number: BC101643	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8482	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)	
Isotype: IgG	Calculated MW: 666 aa, 75 kDa	
Immunogen Catalog Number: AG12707	Observed MW: 75-80 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : human placenta tissue, mouse brain tissue
Cited Applications: WB	IP : human placenta tissue,
Species Specificity: human, mouse	
Cited Species: human, mouse	

Background Information

SEMA7A, also named CD108 and SEMAL, belongs to the semaphorin family. SEMA7A is the only membrane-associated glycosylphosphatidylinositol (GPI)-linked semaphorin and plays a role in the regulation of neuronal axon outgrowth. In addition to its role in guiding axon pathfinding during neuronal development, Sema7A has diverse functions in morphogenesis and immune cell control and regulates T cell responses via the $\alpha 1\beta 1$ integrin receptor (PMID: 31179640). SEMA7A has 2 isoforms with molecular weights of 73 and 75 kDa, respectively.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiongyu Lu	36842496	Mol Metab	WB
Xiaochao Tan	36757799	J Clin Invest	WB

Storage

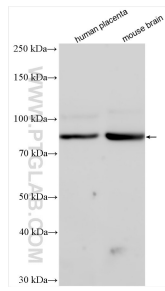
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

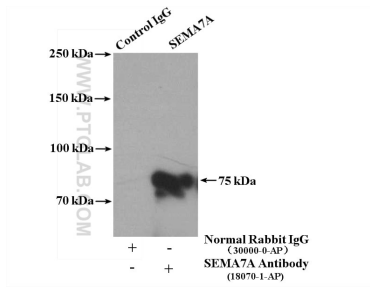
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18070-1-AP (SEMA7A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-SEMA7A (IP:18070-1-AP, 4ug; Detection:18070-1-AP 1:500) with human placenta tissue lysate 2600 ug.