

For Research Use Only

ADAM2 Polyclonal antibody

Catalog Number:13952-1-AP



Basic Information

Catalog Number: 13952-1-AP	GenBank Accession Number: BC034957	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2515	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q99965	
Isotype: IgG	Full Name: ADAM metalloprotease domain 2	
Immunogen Catalog Number: AG5063	Calculated MW: 82 kDa	
	Observed MW: 50-55 kDa, 65-75 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse testis tissue, human testis tissue
Species Specificity: human, mouse	

Background Information

The members of the ADAM (a disintegrin and metalloprotease) family are membrane-anchored multi-domain proteins that play prominent roles in male reproduction(PMID: 27341348). Fertilin, a heterodimeric protein complex composed of a(ADAM1) and b(ADAM2) subunits present on the sperm surface, has been believed to mediate adhesion and fusion between the sperm and egg plasma membranes. ADAM2-deficient mouse sperm is also defective in adhesion to and fusion with the egg membrane (PMID:16407235). It has 2 isoforms produced by alternative splicing and 5 glycosylation sites.

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:

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Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13952-1-AP (ADAM2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.