

For Research Use Only

VAMP8 Polyclonal antibody

Catalog Number: 15546-1-AP

25 Publications



Basic Information

Catalog Number: 15546-1-AP	GenBank Accession Number: BC001634	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 8673	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:200-1:800
Isotype: IgG	UNIPROT ID: Q9BV40	
Immunogen Catalog Number: AG7903	Full Name: vesicle-associated membrane protein 8 (endobrevin)	
	Calculated MW: 11 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF, IP, CoIP	WB : HL-60 cells, PC-12 cells, THP-1 cells
Species Specificity: human, mouse, rat	IHC : human placenta tissue, mouse placenta tissue
Cited Species: human, mouse, rat	

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

VAMP8, also named endobrevin, is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family and the SNARE (soluble NSF-attachment protein receptor) superfamily. Characterized by a common sequence called the SNARE motif, SNARE proteins are involved in membrane fusion and vesicular transport (PMID: 11252968). VAMP8 is involved in autophagy by directly controlling the fusion of autophagosomes with the lysosomal membrane. It is required for dense-granule secretion in platelets and plays a role in regulated enzyme secretion in pancreatic acinar cells. VAMP8 is also involved in the abscission of the midbody during cell division, which leads to completely separate daughter cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Zheng Li	31775910	Stem Cell Res Ther	WB
Taotao Zhang	36346119	J Periodontal Res	WB
Anxiong Liu	33677131	Biochem Biophys Res Commun	WB, CoIP

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

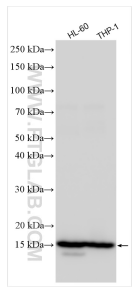
T: 4006900926

E: Proteintech-CN@ptglab.com

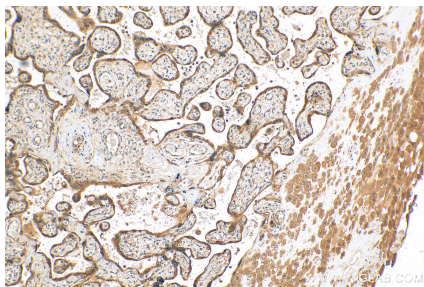
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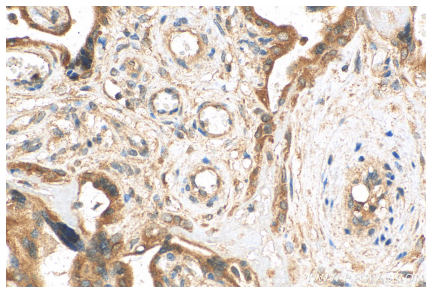
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15546-1-AP (VAMP8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 15546-1-AP (VAMP8 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 15546-1-AP (VAMP8 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).