

For Research Use Only

# VAMP8 Polyclonal antibody

Catalog Number: 15546-1-AP **13 Publications**



## Basic Information

<b>Catalog Number:</b> 15546-1-AP	<b>GenBank Accession Number:</b> BC001634	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 8673	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BV40	
<b>Isotype:</b> IgG	<b>Full Name:</b> vesicle-associated membrane protein 8 (endobrevin)	
<b>Immunogen Catalog Number:</b> AG7903	<b>Calculated MW:</b> 11 kDa	
	<b>Observed MW:</b> 15 kDa	

## Applications

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

**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 as 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 through the direct control of autophagosome membrane fusion with the lysosome 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

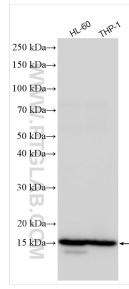
## Storage

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

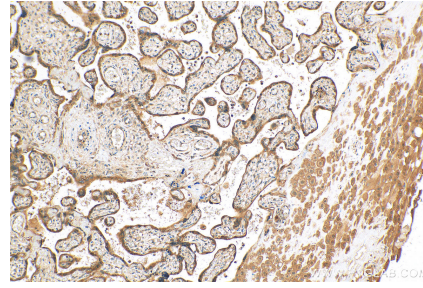
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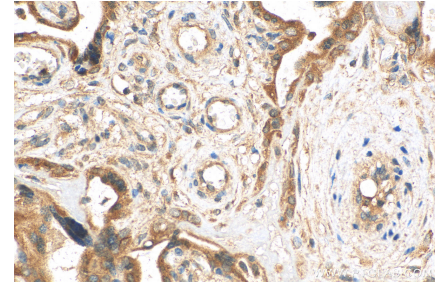
## Selected Validation Data



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).