

Vamp8 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14416**Specification**

Vamp8 antibody - middle region - Product Information

Application	WB
Primary Accession	O70404
Other Accession	NM_016794 , NP_058074
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11kDa kDa

Vamp8 antibody - middle region - Additional Information**Gene ID** 22320**Alias Symbol** AU041171, Edb, endobrevin**Other Names**

Vesicle-associated membrane protein 8, VAMP-8, Endobrevin, Edb, Vamp8

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Vamp8 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Vamp8 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Vamp8 antibody - middle region - Protein Information**Name** Vamp8 {ECO:0000312|MGI:MGI:1336882}**Function**

SNAREs, soluble N-ethylmaleimide-sensitive factor-attachment protein receptors, are essential proteins for fusion of cellular membranes. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four alpha-helical bundle that drives membrane fusion. VAMP8 is a SNARE involved in autophagy through the direct control of autophagosome membrane fusion with the lysosome membrane via its interaction with the STX17-SNAP29 binary t-SNARE complex (By similarity). Also required for dense-granule secretion in platelets (By similarity). Also plays a role in regulated enzyme secretion in pancreatic acinar

cells (PubMed:15363411). Involved in the abscission of the midbody during cell division, which leads to completely separate daughter cells (By similarity). Involved in the homotypic fusion of early and late endosomes (By similarity). Participates also in the activation of type I interferon antiviral response through a TRIM6-dependent mechanism (By similarity).

Cellular Location

Lysosome membrane; Single-pass type IV membrane protein. Late endosome membrane {ECO:0000250|UniProtKB:Q9WUF4}; Single-pass type IV membrane protein. Early endosome membrane {ECO:0000250|UniProtKB:Q9WUF4}; Single-pass type IV membrane protein. Cell membrane; Single-pass type IV membrane protein. Zymogen granule membrane; Single-pass type IV membrane protein. Note=Perinuclear vesicular structures of the early and late endosomes, coated pits, and trans-Golgi (By similarity). Sub-tight junctional domain in retinal pigment epithelium cells (By similarity) Midbody region during cytokinesis (By similarity). Luminal oriented, apical membranes of nephric tubular cell (By similarity). Cycles through the apical but not through the basolateral plasma membrane (By similarity). Apical region of acinar cells; in zymogen granule membranes (PubMed:15363411). {ECO:0000250|UniProtKB:Q9WUF4, ECO:0000269|PubMed:15363411, ECO:0000269|PubMed:9614193}

Tissue Location

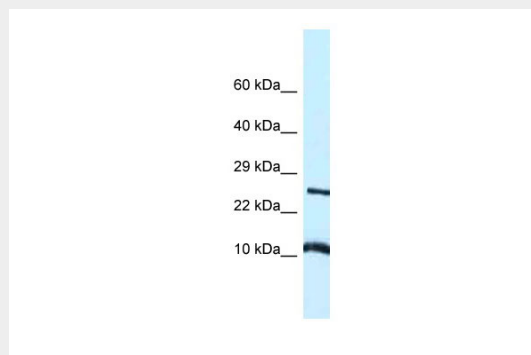
Expressed abundantly in the kidney, less in the liver, brain, kidney, heart, lung, pancreas and placenta

Vamp8 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Vamp8 antibody - middle region - Images



WB Suggested Anti-Vamp8 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Small Intestine

Vamp8 antibody - middle region - References

Wong S.H.,et al.Mol. Biol. Cell 9:1549-1563(1998).
Advani R.J.,et al.J. Biol. Chem. 273:10317-10324(1998).
Lu L.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Carninci P.,et al.Science 309:1559-1563(2005).
Wang C.-C.,et al.Dev. Cell 7:359-371(2004).