

产品名称: VAMP8 (8R11) Rabbit Monoclonal Antibody
产品货号: AMRe19708



产品概述 (Summary)

产品名称 (Production Name)	VAMP8 (8R11) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,FC,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	VAMP8
别名 (Alternative Names)	VAMP8; EDB; Endobrevin; VAMP-8;
基因 ID (Gene ID)	8673.0
蛋白 ID (SwissProt ID)	Q9BV40.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:20000,IHC 1:100-1:200,ICC/IF 1:100-1:200,FC 1:50-1:100,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	11kDa

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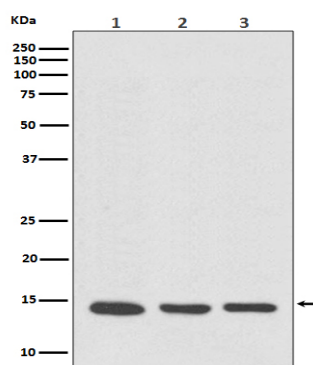
研究背景 (Background)

Proteins in the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) complex are integral membrane proteins involved in vesicle transport and membrane fusion by pairing of vesicular SNAREs (v-SNAREs) with cognate target SNAREs (t-SNAREs). Vesicle associated membrane protein 8 (VAMP8), also known as endobrevin, is a v-SNARE originally found preferentially localized to early endosomes. 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 (PubMed:23217709, PubMed:25686604). Also required for dense-granule secretion in platelets (PubMed:12130530). Plays also a role in regulated enzyme secretion in pancreatic acinar cells (By similarity). 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 (PubMed:31694946).

研究领域 (Research Area)

Autophagy

图片 (Image Data)



Western blot analysis of VAMP8 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC-12 cell lysate.

注意事项 (Note)

For research use only .