

## Anti-VAMP8 Antibody (3P945)

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 11 kDa. Actual: 13 kDa.
Clone:	3P945
Purification:	Protein A purified

### Applications

#### Verified Activity:

1. 25 ug total protein per lane of various lysates (see on figure) probed with VAMP8 monoclonal antibody, unconjugated (TMAB-14043) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
2. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Mouse Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Mouse Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded Rat Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
10. Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in

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sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VAMP8 Monoclonal Antibody, Unconjugated (TMAB-14043) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining

Application: FCM,ICC/IF,IF,IHC-Fr,IHC-P,IP,WB

Recommended FCM=1:50-100; ICC/IF=1:50-200; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; IP=1:20-50; WB=1:500-2000

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: A synthesized peptide: human VAMP8

Antigen Species: Human

Gene ID: 8673

Uniprot ID: Q9BV40

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### Research Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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