

Anti-VAMP4 / VAMP-4 Antibody (aa1-50)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17947

Product Information

Application	IHC-P, IF, E
Primary Accession	075379
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	16397

Additional Information

Gene ID	8674
Alias Symbol	VAMP4
Other Names	VAMP4, VAMP-4, VAMP24
Target/Specificity	VAMP4 Antibody detects endogenous levels of total VAMP4 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-VAMP4 / VAMP-4 Antibody (aa1-50) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VAMP4 (HGNC:12645)
Function	SNAREs (soluble N-ethylmaleimide-sensitive factor-attachment protein receptors) are essential proteins for intracellular membrane fusion. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four-helix bundle whose assembly releases energy that drives membrane fusion. The core SNARE complex typically consists of four alpha-helical domains, three from target membrane SNAREs (t-SNAREs) and one from a vesicle SNARE (v-SNARE) (PubMed: 10036234). VAMP4 is a v-SNARE that functions in vesicle fusion with the plasma membrane. In skeletal muscle satellite cells, VAMP4 cooperates with its cognate SNAREs STX11 and SNAP23 to facilitate CD36 vesicular transport from endosomes to the plasma membrane, an essential step in muscle regeneration (By similarity).
Cellular Location	Cytoplasmic vesicle membrane {ECO:0000250 UniProtKB:O70480}; Single-pass type IV membrane protein. Note=Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not

found on the mature secretory organelles.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.