Data Sheet (Cat.No.TMAC-04215)

Anti-VAMP1 Antibody (9I639)

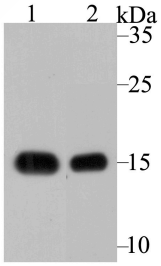
Product Details

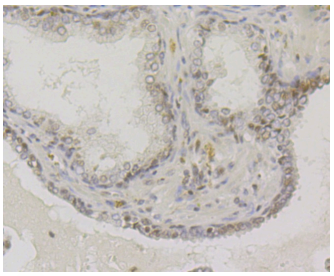
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 13 kDa.
Clone:	9I639
Purification:	ProA affinity purified

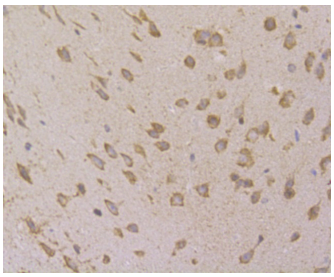
Applications

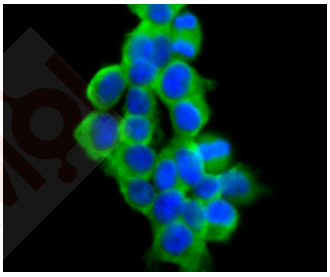
Verified Activity:

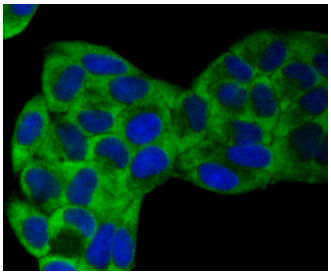
1. Western blot analysis of VAMP1 on different tissue lysates using anti-VAMP1 antibody at 1/2,000 dilution. Positive control: Lane 1: Mouse cerebellum, Lane 2: Rat brain.
2. Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-VAMP1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-VAMP1 antibody. Counter stained with hematoxylin.
4. ICC staining VAMP1 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining VAMP1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining VAMP1 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

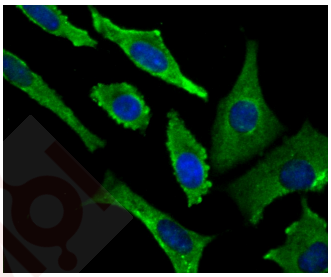












Application:	ICC,IF,IHC,WB
Recommended	WB: 1:500-2000; IHC: 1:50-200; ICC:IF: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Full length of human VAMP1
Antigen Species:	Human
Uniprot ID:	P23763
Synonyms:	VAMP1_HUMAN;Vesicle associated membrane protein 1 synaptobrevin 1;Synaptobrevin1;VAMP 1;Vesicle-associated membrane protein 1;DKFZp686H12131;SYB 1;Vesicle associated membrane protein 1;Synaptobrevin 1;SYB1;Synaptobrevin-1

Research Background

Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic

membrane. VAMP1 is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Multiple alternative splice variants that encode proteins with alternative carboxy ends have been described, but the full-length nature of some variants has not been defined.

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