VAMP2 Antibody

Catalog No: #43179

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

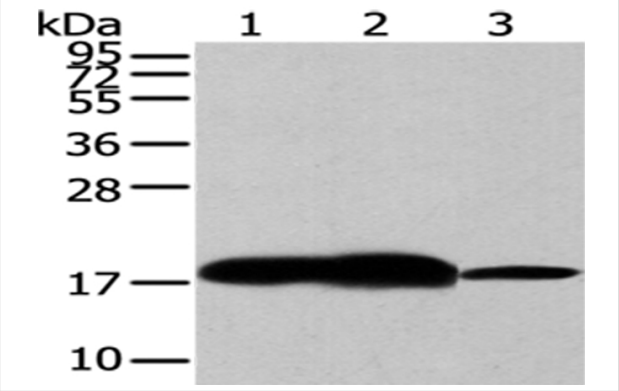
Product Name	VAMP2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total VAMP2 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human VAMP2
Target Name	VAMP2
Other Names	SYB2; VAMP-2
Accession No.	Swiss-Prot#: P63027 Gene ID: 6844
Uniprot	P63027
GeneID	6844;
Calculated MW	13kd
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

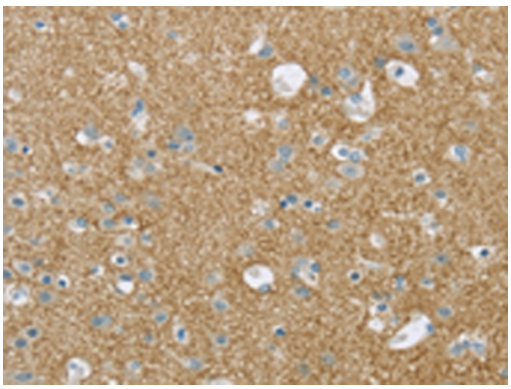
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:30-1:150

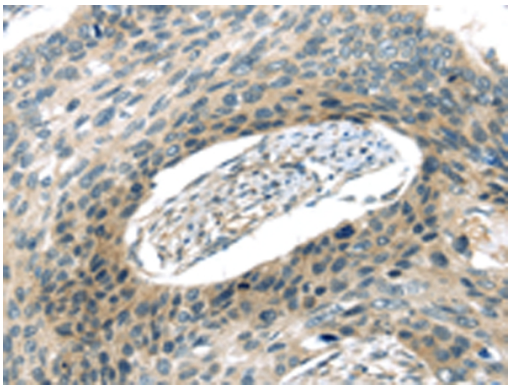
Images



Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane 1-3: Human fetal brain tissue, Mouse brain tissue, Hela cells,
Primary antibody: 1/200 dilution
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 30 seconds



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #43179 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #43179 at dilution 1/20.

Background

The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. 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. This gene is thought to participate in neurotransmitter release at a step between docking and fusion. The protein forms a stable complex with syntaxin, synaptosomal-associated protein, 25 kD, and synaptotagmin. It also forms a distinct complex with synaptophysin. It is a likely candidate gene for familial infantile myasthenia (FIMG) because of its map location and because it encodes a synaptic vesicle protein of the type that has been implicated in the pathogenesis of FIMG.

Note: This product is for in vitro research use only