

Product Name: KD-Validated Synaptosome Associated Protein 25 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00844

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 23.3kDa

Antigen Information

Gene Name	SNAP25
Alternative Names	SNAP25; Synaptosome Associated Protein 25; SNAP-25; DJ1068F16.2; BA416N4.2; RIC-4; RIC4; SEC9; SNAP; Resistance To Inhibitors Of Cholinesterase 4 Homolog; Synaptosomal-Associated Protein, 25kDa; Synaptosomal-Associated Protein 25; SUP; Synaptosomal-Associated 25 KDa Protein; Synaptosome Associated Protein 25kDa; Super Protein; CMS18
Gene ID	6616.0
SwissProt ID	P60880
Immunogen	A synthesized peptide derived from human SNAP25

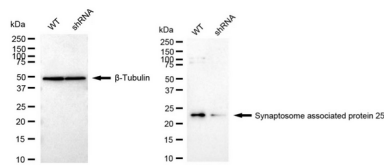
Background

Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, this gene product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. Two alternative transcript variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

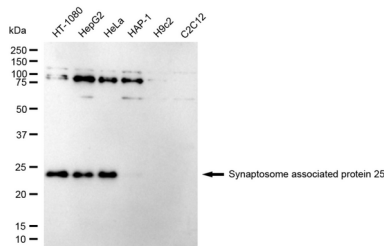
Research Area

Neuroscience,Signal Transduction,Cancer,Metabolism

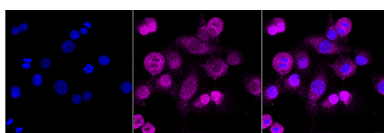
Image Data



Western blotting analysis using Synaptosome associated protein 25 antibody (KvAb00844). Synaptosome associated protein 25 expression in wild type (WT) and Synaptosome associated protein 25 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Synaptosome associated protein 25 antibody (KvAb00844, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Synaptosome associated protein 25 antibody (KvAb00844). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Synaptosome associated protein 25 antibody (KvAb00844, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Synaptosome associated protein 25 antibody (KvAb00844, 1:1,000). Nuclei were stained blue with DAPI; Synaptosome associated protein 25 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.