
Product Name: KD-Validated Synaptosome Associated Protein 29 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00883**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
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; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 29.0kDa

Antigen Information

Gene Name	SNAP29 SNAP29; Synaptosome Associated Protein 29; SNAP-29; Soluble 29 KDa NSF Attachment Protein; CEDNIK; Cerebral Dysgenesis, Neuropathy, Ichthyosis And Keratoderma Syndrome;
Alternative Names	Vesicle-Membrane Fusion Protein SNAP-29; Synaptosomal-Associated Protein, 29kDa; Synaptosomal-Associated Protein 29; Synaptosomal-Associated Protein, 29kD; Synaptosome Associated Protein 29kDa
Gene ID	9342.0
SwissProt ID	O95721
Immunogen	A synthesized peptide derived from human SNAP29

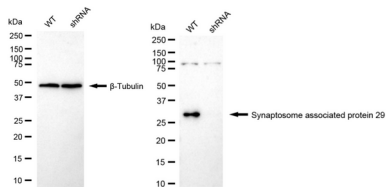
Background

This gene, a member of the SNAP25 gene family, encodes a protein involved in multiple membrane trafficking steps. Two other members of this gene family, SNAP23 and SNAP25, encode proteins that bind a syntaxin protein and mediate synaptic vesicle membrane docking and fusion to the plasma membrane. The protein encoded by this gene binds tightly to multiple syntaxins and is localized to intracellular membrane structures rather than to the plasma membrane. While the protein is mostly membrane-bound, a significant fraction of it is found free in the cytoplasm. Use of multiple polyadenylation sites has been noted for this gene. [provided by RefSeq, Jul 2008]

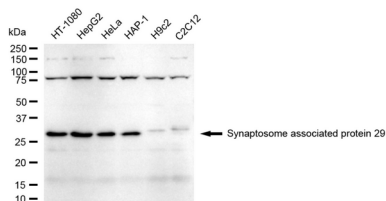
Research Area

Neuroscience, Signal Transduction

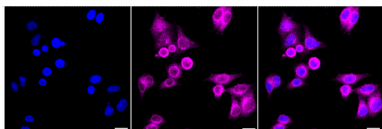
Image Data



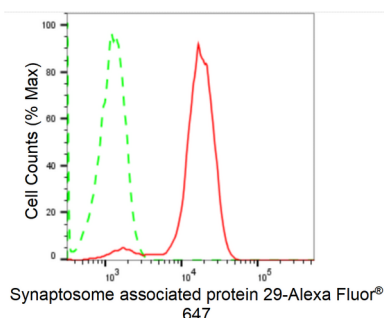
Western blotting analysis using Synaptosome associated protein 29 antibody (KVA00883). Synaptosome associated protein 29 expression in wild type (WT) and Synaptosome associated protein 29 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Synaptosome associated protein 29 antibody (KVA00883, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Synaptosome associated protein 29 antibody (KVA00883). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Synaptosome associated protein 29 antibody (KVA00883, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Synaptosome associated protein 29 antibody (KVA00883, 1:1,000). Nuclei were stained blue with DAPI; Synaptosome associated protein 29 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.



Flow cytometric analysis of Synaptosome associated protein 29 expression in HepG2 cells using Synaptosome associated protein 29 antibody (KVA00883, 1:2,000). Green, isotype control; red, Synaptosome associated protein 29.