
Product Name: KD-Validated SYNE1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01378**

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: 1011.1kDa

Antigen Information

Gene Name	SYNE1 SYNE1; Spectrin Repeat Containing Nuclear Envelope Protein 1; Nesprin-1; Enaptin; MYNE1; Myocyte Nuclear Envelope Protein 1; KIAA0796; DJ45H2.2; C6orf98; SCAR8; ARCA1; Nesp1; CPG2; 8B; Spectrin Repeat Containing, Nuclear Envelope 1; Synaptic Nuclear Envelope Protein 1; KASH Domain-Containing Protein 1; SYNE-1B; KASH1; Nuclear Envelope Spectrin Repeat Protein 1; Nuclear Envelope Spectrin Repeat-1; Chromosome 6 Open Reading Frame 98; Synaptic Nuclei Expressed Gene 1; CPG2 Full Length; EC 4.2.1.49; EC 4.3.1.3; Nesprin 1; KIAA1262; KIAA1756; Myne-1; Syne-1; EDMD4; AMC3; AMCM
Alternative Names	
Gene ID	23345.0
SwissProt ID	Q8NF91
Immunogen	A synthesized peptide derived from human Nesprin 1

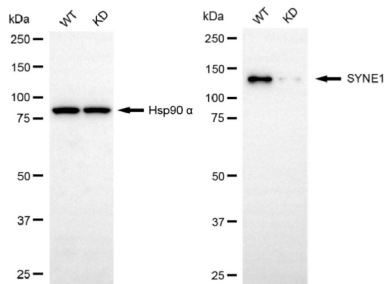
Background

This gene encodes a spectrin repeat containing protein expressed in skeletal and smooth muscle, and peripheral blood lymphocytes, that localizes to the nuclear membrane. Mutations in this gene have been associated with autosomal recessive spinocerebellar ataxia 8, also referred to as autosomal recessive cerebellar ataxia type 1 or recessive ataxia of Beauce. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

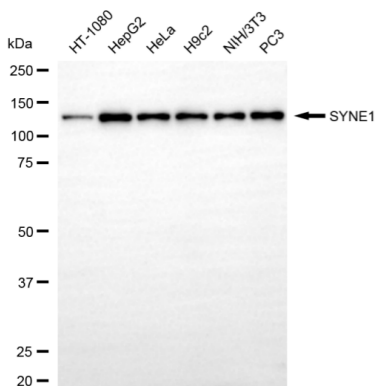
Research Area

Tags & Cell Markers

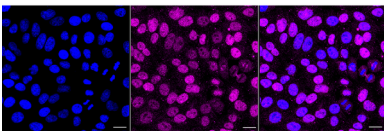
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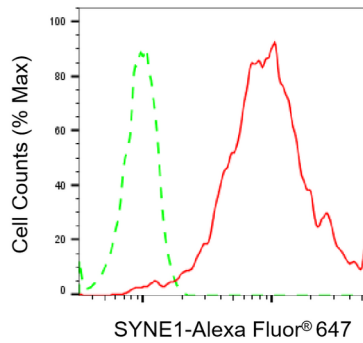
Western blotting analysis using SYNE1 antibody (KVA01378). SYNE1 expression in wild-type (WT) and SYNE1 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SYNE1 antibody (KVA01378, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SYNE1 antibody (KVA01378). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SYNE1 antibody (KVA01378, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with SYNE1 antibody (KVA01378, 1:1,000). Nuclei were stained blue with DAPI; SYNE1 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 SYNE1 expression in HepG2 cells using SYNE1 antibody (KVA01378, 1:2,000). Green, isotype control; red, SYNE1.