

Product Name: KD-Validated STUB1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01718

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: 34.9kDa

Antigen Information

Gene Name	STUB1
Alternative Names	STUB1; STIP1 Homology And U-Box Containing Protein 1; CHIP; SDCCAG7; HSPABP2; NY-CO-7; UBOX1; Carboxy Terminus Of Hsp70-Interacting Protein ; RING-Type E3 Ubiquitin; Transferase CHIP; E3 Ubiquitin-Protein Ligase CHIP; CLL-Associated Antigen KW-8; Antigen NY-CO-7; STIP1 Homology And U-Box Containing Protein 1, E3 Ubiquitin Protein Ligase; Heat Shock Protein A Binding Protein 2 (C-Terminal); STIP1 Homology And U Box-Containing Protein 1; Serologically Defined Colon Cancer Antigen 7; EC 2.3.2.27; SCAR16; SCA48
Gene ID	10273.0
SwissProt ID	Q9UNE7
Immunogen	A synthesized peptide derived from human STUB1

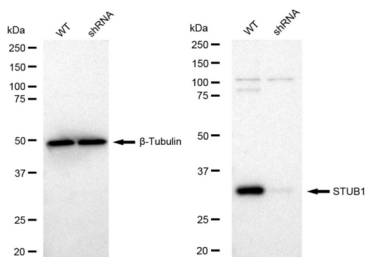
Background

This gene encodes a protein containing tetratricopeptide repeat and a U-box that functions as a ubiquitin ligase/cochaperone. The encoded protein binds to and ubiquitinates shock cognate 71 kDa protein (Hspa8) and DNA polymerase beta (Polb), among other targets. Mutations in this gene cause spinocerebellar ataxia, autosomal recessive 16. Alternative splicing results in multiple transcript variants. There is a pseudogene for this gene on chromosome 2. [provided by RefSeq, Jun 2014]

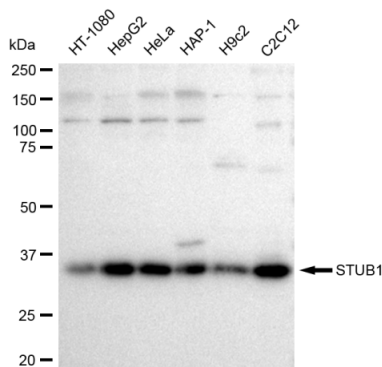
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Neuroscience

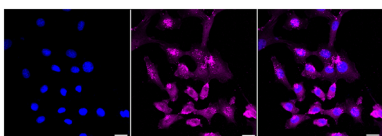
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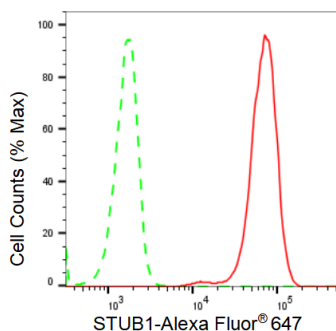
Western blotting analysis using STUB1 antibody (KVA01718). STUB1 expression in wild type (WT) and STUB1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with STUB1 antibody (KVA01718, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using STUB1 antibody (KVA01718). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with STUB1 antibody (KVA01718, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with STUB1 antibody (KVA01718, 1:1,000). Nuclei were stained blue with DAPI; STUB1 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 μ m.



Flow cytometric analysis of STUB1 expression in C2C12 cells using STUB1 antibody (KVA01718, 1:2,000). Green, isotype control; red, STUB1.