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Anti-Swiprosin-2 Antibody

Mouse monoclonal antibody to Swiprosin-2
Catalog # AP61599

Product Information

Application	WB, IF/IC
Primary Accession	Q9BUP0
Other Accession	Q9D4J1
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	26928

Additional Information

Gene ID	80303
Other Names	SWS2; EF-hand domain-containing protein D1; EF-hand domain-containing protein 1; Swiprosin-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence of human Swiprosin-2. The exact sequence is proprietary.
Dilution	WB~~WB (1/1000 - 1/2000), IF/IC (1/100 - 1/200) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

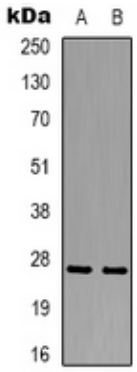
Protein Information

Name	EFHD1
Synonyms	SWS2
Function	Acts as a calcium sensor for mitochondrial flash (mitoflash) activation, an event characterized by stochastic bursts of superoxide production (PubMed:26975899). May play a role in neuronal differentiation (By similarity).
Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9D4J1}

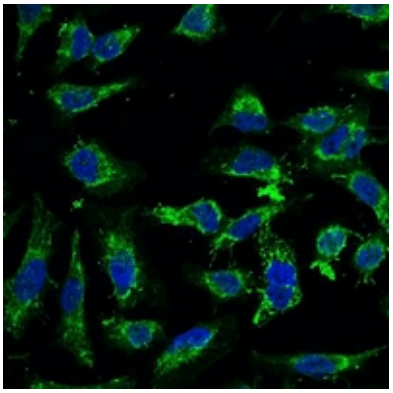
Background

KLH-conjugated synthetic peptide encompassing a sequence of human Swiprosin-2. The exact sequence is proprietary.

Images



Western blot analysis of Swiprosin-2 expression in mouse spleen (A), rat spleen (B) whole cell lysates.



Immunofluorescent analysis of Swiprosin-2 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a FITC-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.