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Anti-Swiprosin-2 Antibody

Mouse monoclonal antibody to Swiprosin-2
Catalog # AP61599

Specification

Anti-Swiprosin-2 Antibody - Product Information

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

Anti-Swiprosin-2 Antibody - Additional Information

Gene ID 80303

Other Names
SWS2; EF-hand domain-containing protein D1; EF-hand domain-containing protein 1; Swiprosin-2

Target/Specificity
Recognizes endogenous levels of Swiprosin-2 protein.

Dilution
WB~~WB (1/1000 - 1/2000), IF/IC (1/100 - 1/200)
IF~~WB (1/1000 - 1/2000), IF/IC (1/100 - 1/200)

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

Anti-Swiprosin-2 Antibody - 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

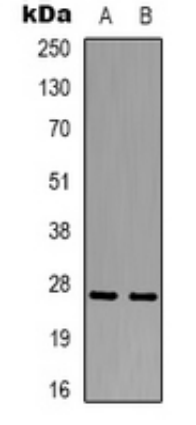
Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9D4J1}

Anti-Swiprosin-2 Antibody - Protocols

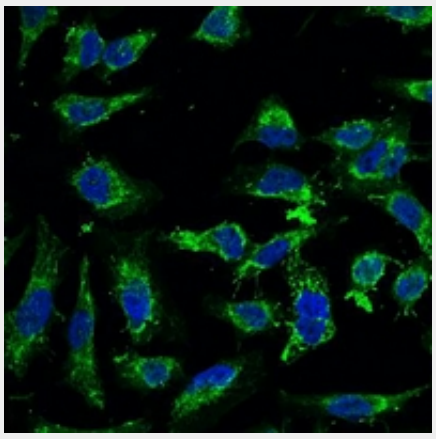
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Swiprosin-2 Antibody - 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).

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Anti-Swiprosin-2 Antibody - Background

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