

Anti-Swiprosin-2 Antibody
Mouse monoclonal antibody to Swiprosin-2
Catalog # AP61599**Specification**

Anti-Swiprosin-2 Antibody - Product Information

Application	WB, IF/IC
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/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

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

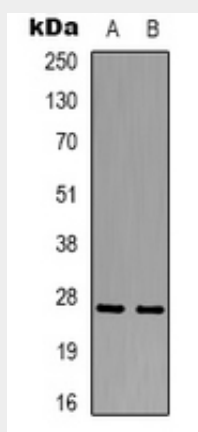
Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9D4J1}

Anti-Swiprosin-2 Antibody - Protocols

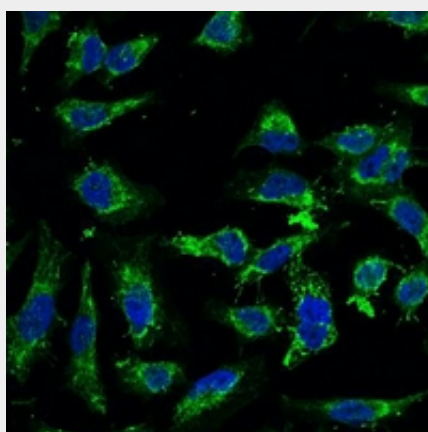
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 humidified 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).

Anti-Swiprosin-2 Antibody - Background

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