

# Anti-Swiprosin-2 Antibody

Mouse monoclonal antibody to Swiprosin-2

Catalog # AP61599

## Product Information

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<b>Application</b>	WB, IF/IC
<b>Primary Accession</b>	<a href="#">Q9BUP0</a>
<b>Other Accession</b>	<a href="#">Q9D4J1</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Calculated MW</b>	26928

## Additional Information

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<b>Gene ID</b>	80303
<b>Other Names</b>	SWS2; EF-hand domain-containing protein D1; EF-hand domain-containing protein 1; Swiprosin-2
<b>Target/Specificity</b>	Recognizes endogenous levels of Swiprosin-2 protein.
<b>Dilution</b>	WB~~WB (1/1000 - 1/2000), IF/IC (1/100 - 1/200) IF/IC~~N/A
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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

## Background

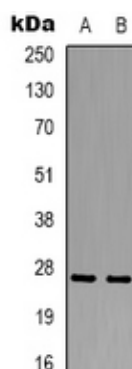
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KLH-conjugated synthetic peptide encompassing a sequence of human Swiprosin-2. The exact sequence is

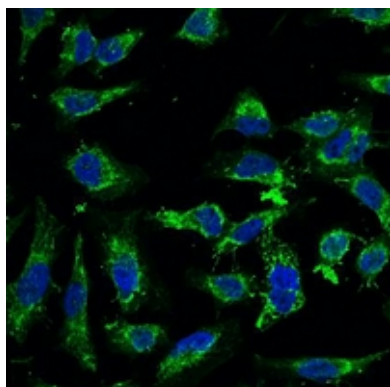
proprietary.

## Images

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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).

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