

**EFHD2 Antibody**  
**Catalog # ASC11090****Specification**

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**EFHD2 Antibody - Product Information**

Application	IHC, IF, WB
Primary Accession	<a href="#">Q96C19</a>
Other Accession	<a href="#">NP_077305</a> , <a href="#">20149675</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	EFHD2 antibody can be used for detection of EFHD2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

**EFHD2 Antibody - Additional Information**

Gene ID	79180
Target/Specificity	
EFHD2;	

**Reconstitution & Storage**

EFHD2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

EFHD2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**EFHD2 Antibody - Protein Information**

**Name** EFHD2

**Synonyms** SWS1

**Function**

May regulate B-cell receptor (BCR)-induced immature and primary B-cell apoptosis. Plays a role as negative regulator of the canonical NF-kappa-B-activating branch. Controls spontaneous apoptosis through the regulation of BCL2L1 abundance.

**Cellular Location**

Membrane raft. Note=In a mouse immature B-cell line WEHI-231.

**Tissue Location**

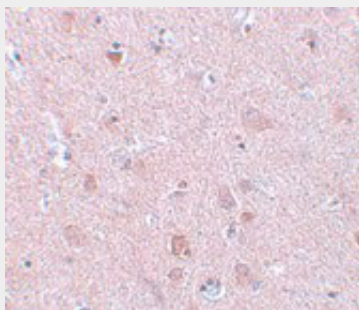
Found in lymphocytes; preferentially expressed in CD8+ cells.

## EFHD2 Antibody - Protocols

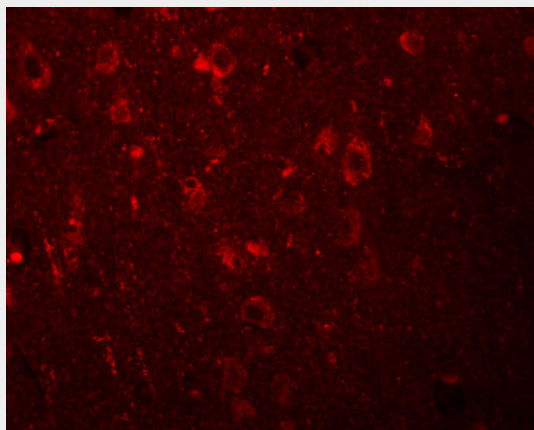
Provided below are standard protocols that you may find useful for product applications.

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

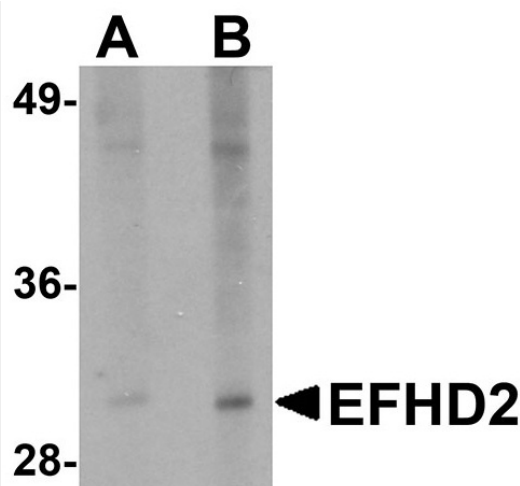
## EFHD2 Antibody - Images



Immunohistochemistry of EFHD2 in human brain tissue with EFHD2 antibody at 5  $\mu$ g/mL.



Immunofluorescence of EFHD2 in human brain tissue with EFHD2 antibody at 20  $\mu$ g/mL.



Western blot analysis of EFHD2 in mouse brain tissue lysate with EFHD2 antibody at (A) 1 and (B) 2 µg/mL.

#### EFHD2 Antibody - Background

EFHD2 Antibody: EFHD2, also known as Swiprosin-1 or SWS1, is an EF-hand and coiled-coil-containing adaptor protein that plays a role in lymphocyte physiology. EFHD2 exhibits the highest expression in CD8+ T cells and immature B cells. It provides a membrane scaffold that is required for the Syk-, SLP-65-, and PLCgamma2-dependent B-cell receptor (BCR)-induced calcium flux. EFHD2 may also regulate BCR-induced immature and primary B-cell apoptosis. It controls spontaneous apoptosis through the regulation of BCL2L1 abundance. Also, EFHD2 plays a role as negative regulator of the canonical NF-κB-activating branch.

#### EFHD2 Antibody - References

Krocze C, Lang C, Brachs S, et al. Swiprosin-1/EFhd2 controls B cell receptor signaling through the assembly of the B cell receptor, Syk, and phospholipase C gamma2 in membrane rafts. *J. Immunol.*2010; 184:3665-76.  
Avramidou A, Krocze C, Lang C, et al. The novel adaptor protein Swiprosin-1 enhances BCR signals and contributes to BCR-induced apoptosis. *Cell Death Differ.*2007; 14:1936-47.  
Thylur RP, Kiim YD, Kwon MS, et al. Swiprosin-1 is expressed in mast cells and up-regulated through the protein kinase C beta I/eta pathway. *J. Cell Biochem.*2009; 108:705-15.