

**EFHD1 Antibody (clone 1H7)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS15998****Specification**

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**EFHD1 Antibody (clone 1H7) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IF, WB                 |
| Primary Accession | <a href="#">Q9BUP0</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 27kDa KDa              |

**EFHD1 Antibody (clone 1H7) - Additional Information****Gene ID** 80303**Other Names**

EF-hand domain-containing protein D1, EF-hand domain-containing protein 1, Swiprosin-2, EFHD1, SWS2

**Reconstitution & Storage**

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

**Precautions**

EFHD1 Antibody (clone 1H7) is for research use only and not for use in diagnostic or therapeutic procedures.

**EFHD1 Antibody (clone 1H7) - 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:&lt;a href="http://www.uniprot.org/citations/26975899" target="\_blank"&gt;26975899&lt;/a&gt;). May play a role in neuronal differentiation (By similarity).

**Cellular Location**

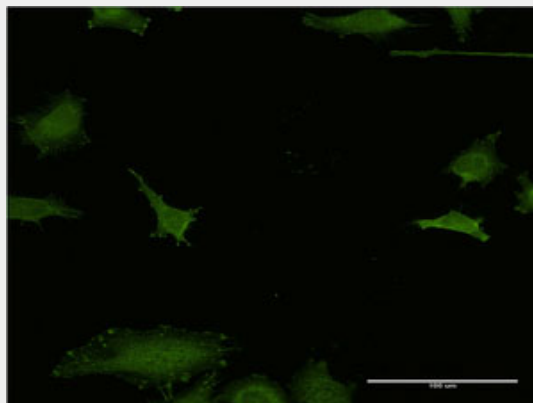
Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9D4J1}

**EFHD1 Antibody (clone 1H7) - Protocols**

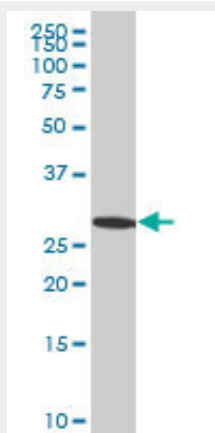
Provided below are standard protocols that you may find useful for product applications.

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

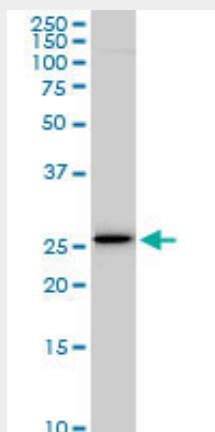
#### EFHD1 Antibody (clone 1H7) - Images



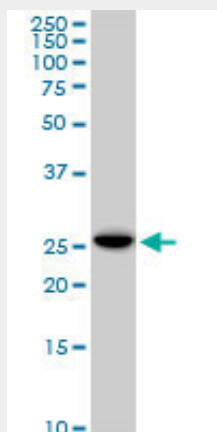
Immunofluorescence of monoclonal antibody to EFHD1 on HeLa cell [antibody concentration 10 ug/ml].



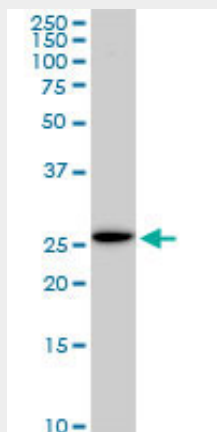
EFHD1 monoclonal antibody, clone 1H7 Western blot of EFHD1 expression in HeLa.



EFHD1 monoclonal antibody, clone 1H7. Western blot of EFHD1 expression in PC-12.



EFHD1 monoclonal antibody, clone 1H7. Western blot of EFHD1 expression in Raw 264.7.



EFHD1 monoclonal antibody, clone 1H7. Western blot of EFHD1 expression in NIH/3T3.

#### **EFHD1 Antibody (clone 1H7) - References**

- Wan D., et al. Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Hillier L.W., et al. Nature 434:724-731(2005).