

EFHD1 Monoclonal Antibody(3G2)
Catalog # AP63339**Specification**

EFHD1 Monoclonal Antibody(3G2) - Product Information

Application	WB, IHC-P, IF
Primary Accession	Q9BUP0
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal

EFHD1 Monoclonal Antibody(3G2) - Additional Information**Gene ID** 80303**Other Names**

EF-hand domain-containing protein D1 (EF-hand domain-containing protein 1) (Swiprosin-2)

Dilution

WB~~WB: 1:2000 IF: 1:100-200 IHC 1:50-300

IHC-P~~N/A

IF~~WB: 1:2000 IF: 1:100-200 IHC 1:50-300

Format

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions

-20°C

EFHD1 Monoclonal Antibody(3G2) - 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

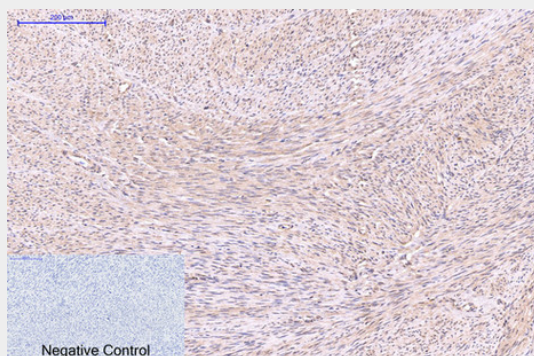
Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9D4J1}

EFHD1 Monoclonal Antibody(3G2) - Protocols

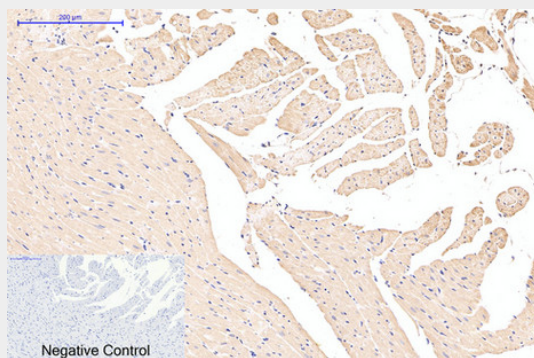
Provided below are standard protocols that you may find useful for product applications.

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

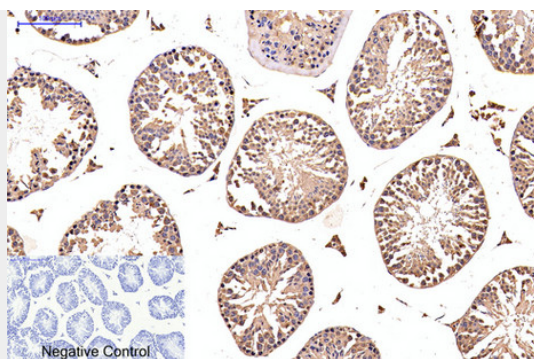
EFHD1 Monoclonal Antibody(3G2) - Images



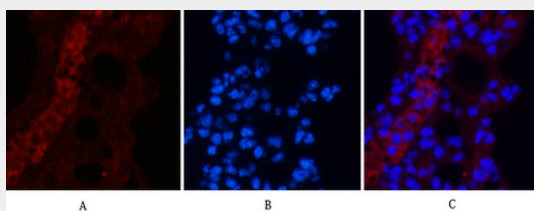
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



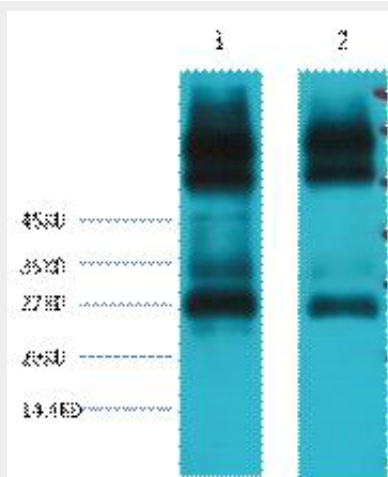
Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



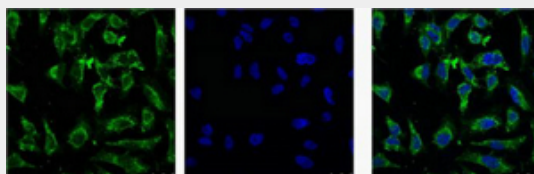
Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



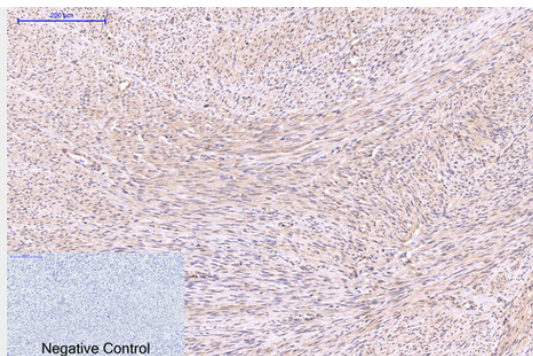
Immunofluorescence analysis of Mouse-lung tissue. 1,EFHD1 Monoclonal Antibody(3G2)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



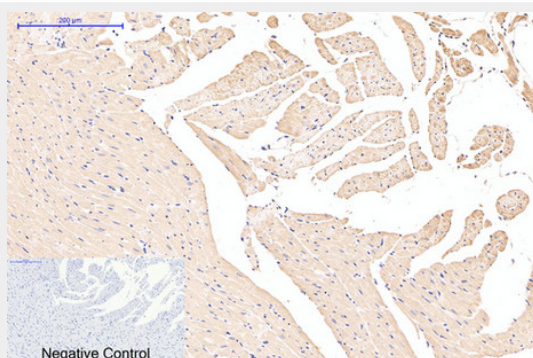
Western blot analysis of 1) Mouse spleen tissue, 2) Rat spleen tissue, diluted at 1:3000.



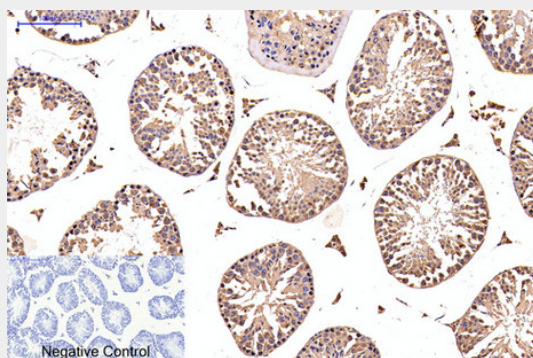
IF analysis of Hela with antibody (Left) and DAPI (Right) diluted at 1:100.



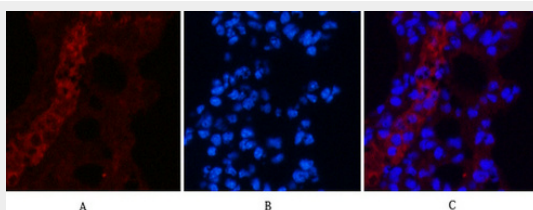
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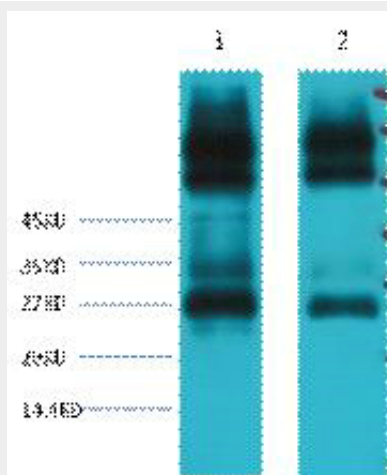
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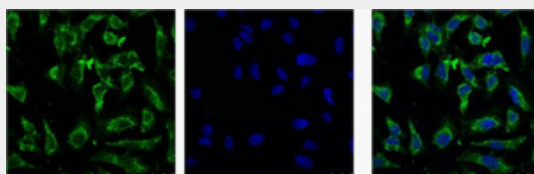
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Immunofluorescence analysis of Mouse-lung tissue. 1, EFHD1 Monoclonal Antibody(3G2)(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) Mouse spleen tissue, 2) Rat spleen tissue, diluted at 1:3000.



IF analysis of HeLa with antibody (Left) and DAPI (Right) diluted at 1:100.

EFHD1 Monoclonal Antibody(3G2) - Background

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).