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EFHD1 Monoclonal Antibody(3G2)

Catalog # AP63339

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	Q9BUP0
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	26928

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~~WB: 1:2000 IF: 1:100-200 IHC 1:50-300 IF~~WB: 1:2000 IF: 1:100-200 IHC 1:50-300 ICC~~N/A
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20℃

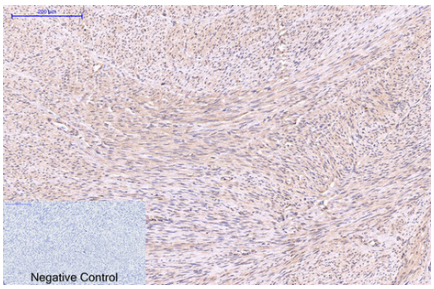
Protein Information

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}

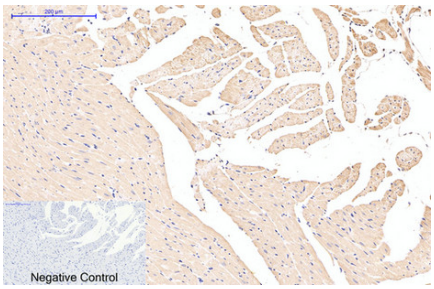
Background

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).

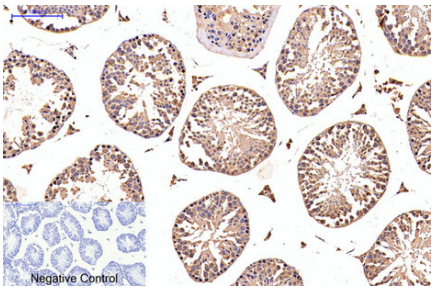
Images



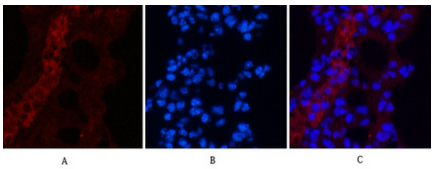
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was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



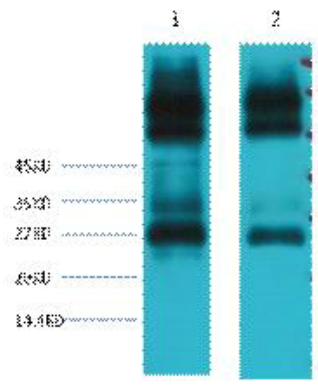
Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used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



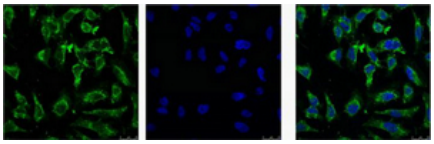
Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was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

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