Best Tools for immunology Research

EFHD1 Monoclonal Antibody(3G2)

Catalog No :	YM3085
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF
Target :	EFHD1
Gene Name :	EFHD1
Protein Name :	EF-hand domain-containing protein D1
Human Gene Id :	80303
Human Swiss Prot No :	Q9BUP0
Mouse Gene Id :	98363
Mouse Swiss Prot No :	Q9D4J1
Immunogen :	Synthetic Peptide of EFHD1
Specificity :	The antibody detects endogenous EFHD1 proteins.
Formulation :	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source :	Monoclonal, Mouse
Dilution :	WB 1:2000 IF 1:100-200 IHC 1:50-300
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	27kD

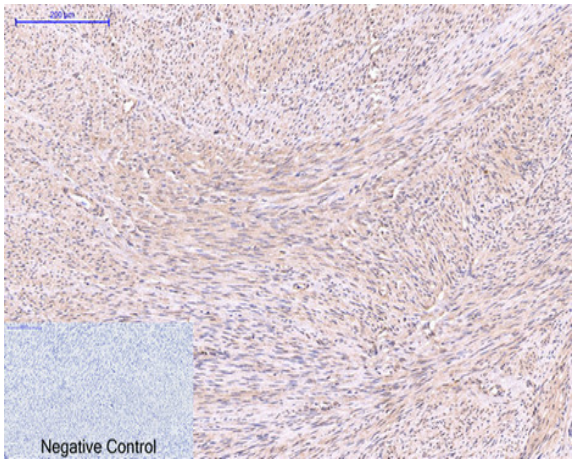
Background : This gene encodes a member of the EF-hand super family of calcium binding proteins, which are involved in a variety of cellular processes including mitosis, synaptic transmission, and cytoskeletal rearrangement. The protein encoded by this gene is composed of an N-terminal disordered region, proline-rich elements, two EF-hands, and a C-terminal coiled-coil domain. This protein has been shown to associate with the mitochondrial inner membrane, and in HeLa cells, acts as a novel mitochondrial calcium ion sensor for mitochondrial flash activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016],

Function : similarity:Contains 2 EF-hand domains.,

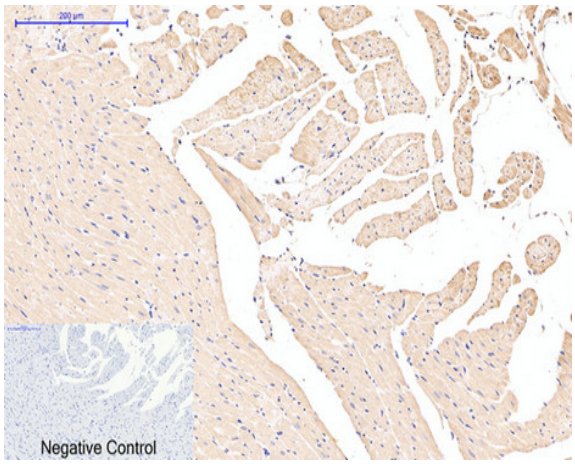
Subcellular Location : Mitochondrion inner membrane .

Expression : Brain,Eye,Heart,Hippocampus,Lung,Normal aorta,Placenta,

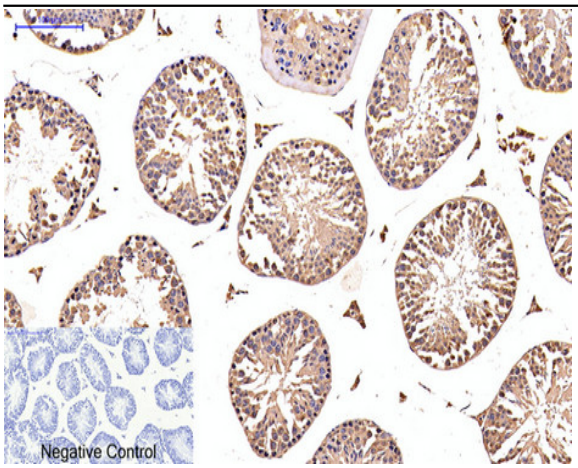
Products Images



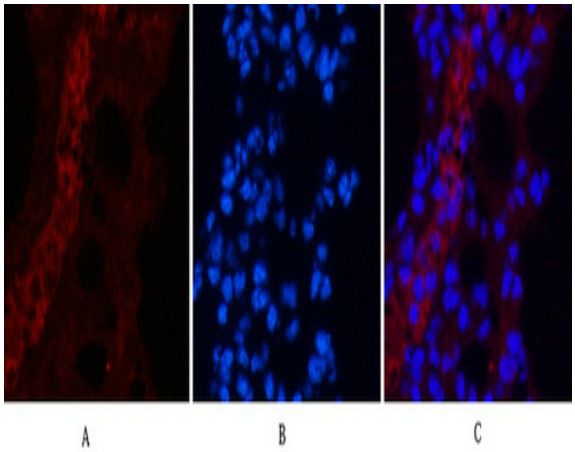
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was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



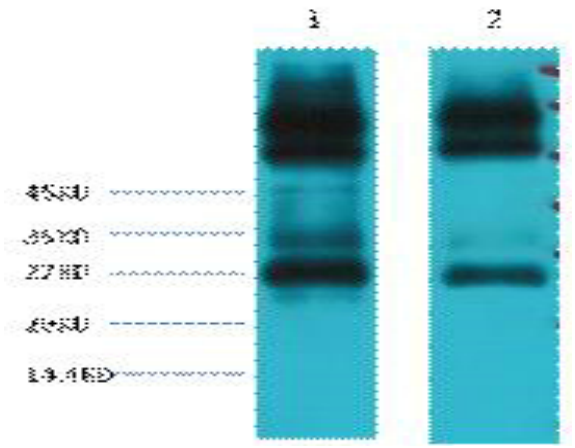
Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used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



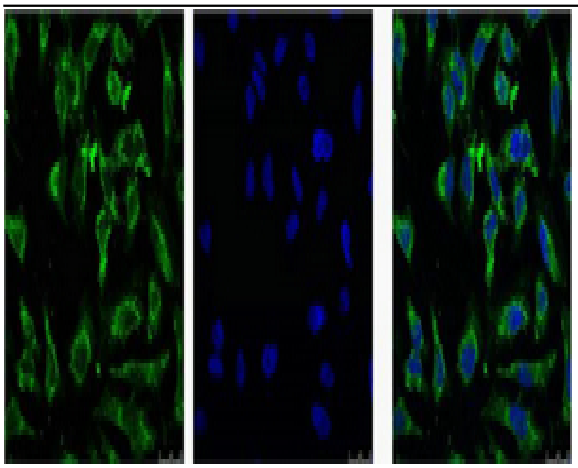
Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was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