

## EFHD1 Monoclonal Antibody(3G2)

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

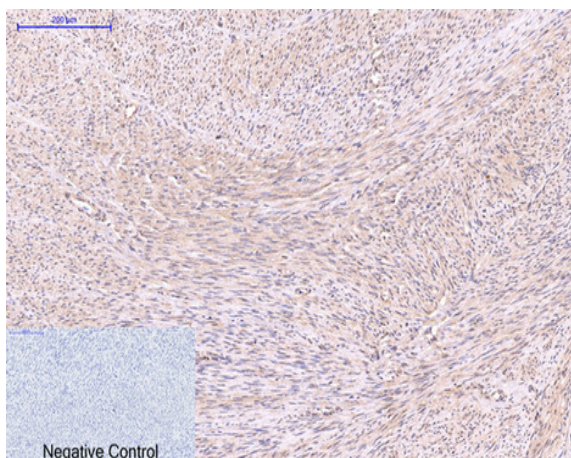
**Background :** This gene encodes a member of the EF-hand super family of calcium binding proteins, which are involved in a variety of cellular processes including mitosis, synaptic transmission, and cytoskeletal rearrangement. The protein encoded by this gene is composed of an N-terminal disordered 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.,

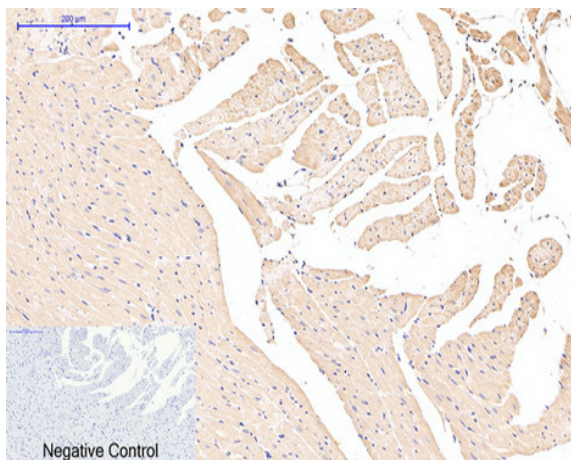
**Subcellular Location :** Mitochondrion inner membrane .

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

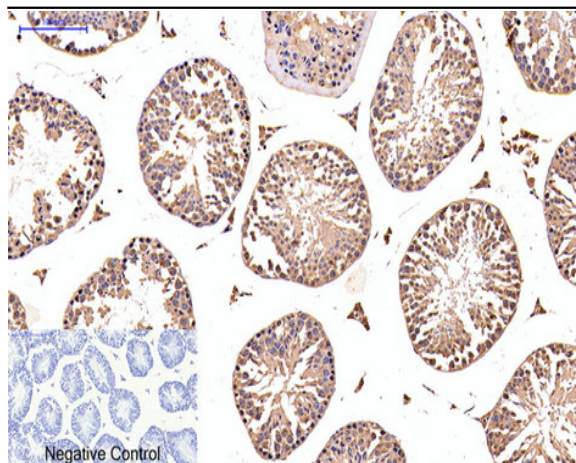
## Products Images



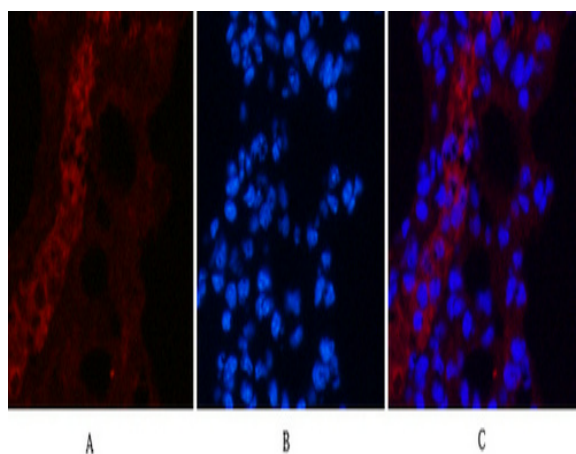
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1, EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 °C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control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



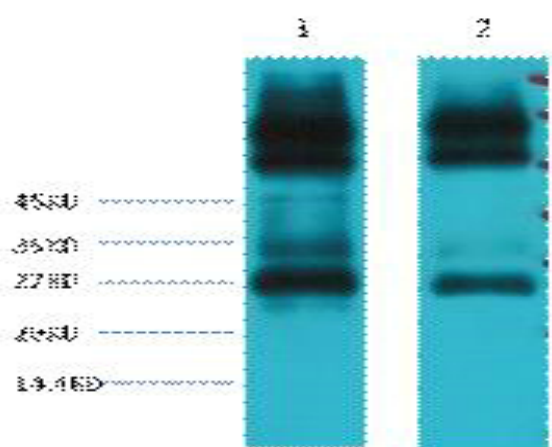
Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1, EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 °C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was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



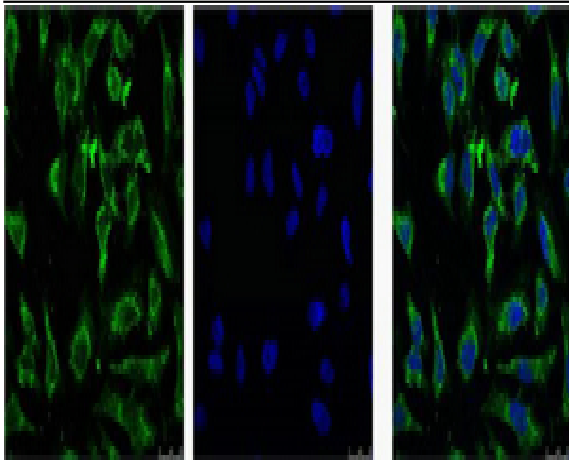
Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was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