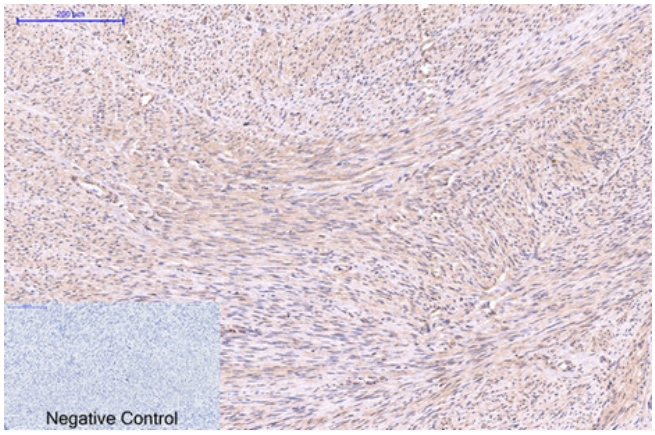
EFHD1 Monoclonal Antibody(3G2)

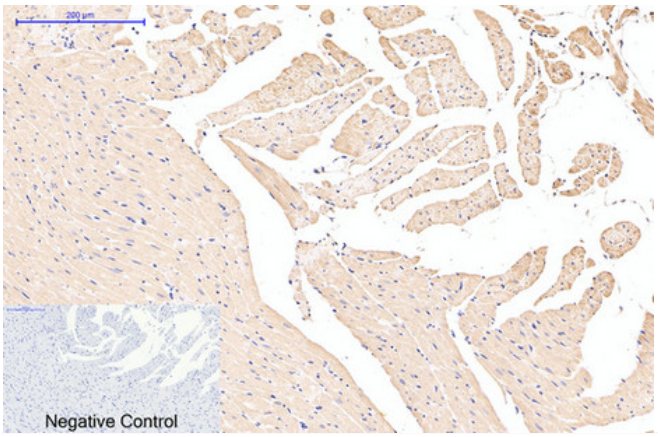
Catalog No	YP-Ab-00630
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF
Gene Name	EFHD1
Immunogen	Synthetic Peptide of EFHD1
Specificity	The antibody detects endogenous EFHD1 proteins.
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	WB: 1:2000 IF: 1:100-200 IHC 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EFHD1;MST133;MSTP133;PP351;Swiprosin 2;SWS2;EF-hand domain-containing protein D1;EF-hand domain-containing protein D1 (EF-hand domain-containing protein 1) (Swiprosin-2)
Observed Band	27kD
Calculated Molecular Weight	27kD
Cell Pathway	Mitochondrion inner membrane .
Tissue Specificity	Brain,Eye,Heart,Hippocampus,Lung,Normal aorta,Placenta,
Function	similarity:Contains 2 EF-hand domains.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

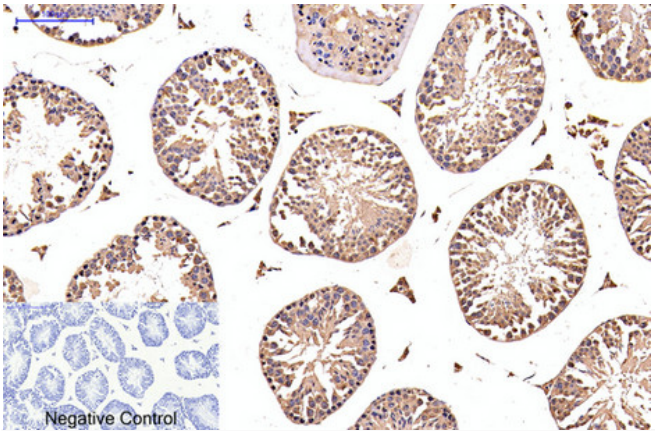
Products Images



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.

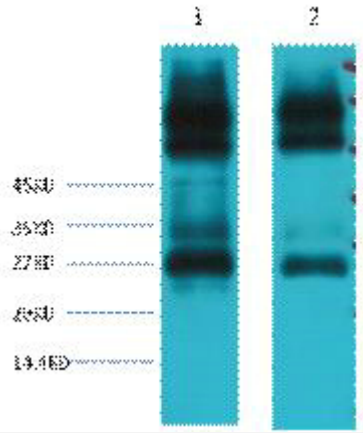


Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,EFHD1 Monoclonal Antibody(3G2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used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