

## EFHD1 (5C10) MOUSE MAB

**Cat.#:** N261231

**Product Name:** Anti-EFHD1 (5C10) Mouse Monoclonal Antibody

**Synonyms:** EF-hand domain-containing protein D1; Mitocalcin; MGC103094; Swiprosin 2

**UNIPROT ID:** Q9BUP0

**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.

**Immunogen:** Synthetic Peptide of EFHD1

**Applications:** WB,IHC-P,ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 5C10-4F1-10A5

**MW:** Calculated MW: 27 kDa; Observed MW: 27 kDa

**Isotype:** IgG1

**Purification:** Affinity Purified

**Species Reactivity:** Human,Mouse,Rat

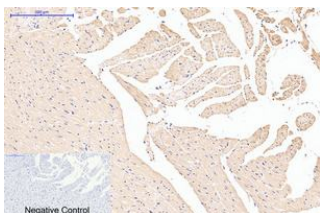
**Conjugation:** Unconjugated

**Modification:** Unmodified

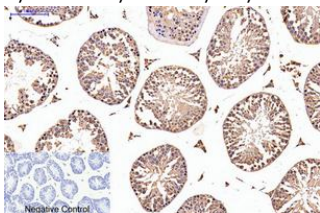
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cell Biology

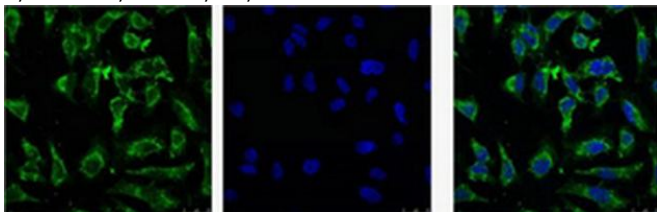
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



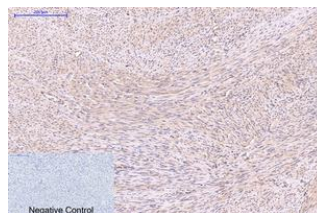
Immunohistochemistry analysis of paraffin-embedded Human tonsils using EFHD1 (5C10) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



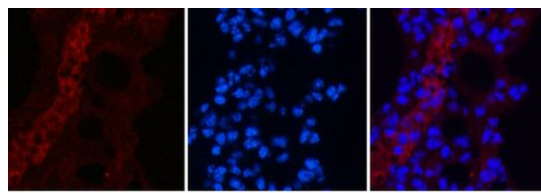
Immunohistochemistry analysis of paraffin-embedded mouse testis tissue using EFHD1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



Immunofluorescence analysis of EFHD1 in HeLa using EFHD1 (5C10) antibody (Left) and DAPI (Right).



Immunohistochemistry analysis of paraffin-embedded Human uterus tissue using EFHD1 (5C10) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



Immunofluorescence analysis of EFHD1 (5C10) in mouse lung using EFHD1 (5C10) antibody (3G2) (red), and DAPI (blue).