

# EFHD1 Monoclonal Antibody

Catalog Number:E-AB-22043



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

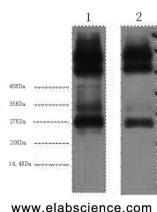
## Description

<b>Reactivity</b>	Human,Mouse,Rat
<b>Immunogen</b>	Synthetic Peptide
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	Clone:5K1
<b>Purification</b>	Protein A purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

## Applications Recommended Dilution

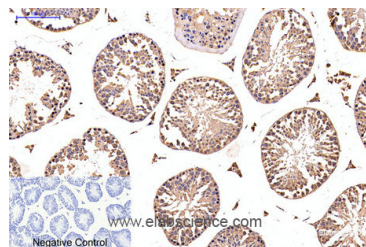
<b>WB</b>	1:500-1:3000
<b>IHC</b>	1:50-1:300
<b>IF</b>	1:100-1:200

## Data

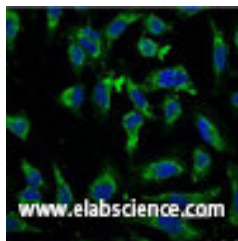


Western Blot analysis of 1) Mouse spleen 2) Rat spleen using EFHD1 Monoclonal Antibody at dilution of 1:3000.

**Observed Mw:27kDa**



Immunohistochemistry of paraffin-embedded Mouse testis tissue using EFHD1 Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of HeLa tissue using EFHD1 Monoclonal Antibody at dilution of 1:100.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

This gene encodes a member of the EF-hand super family of calcium binding proteins, which are involved in a variety of

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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.EFHD1 (EF-Hand Domain Family Member D1) is a Protein Coding gene. GO annotations related to this gene include calcium ion binding. An important paralog of this gene is EFHD2.

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