

EFHD1 Monoclonal Antibody

Catalog No. E-AB-22043

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

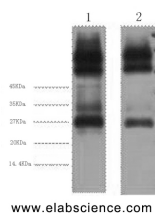
Description

Reactivity	Human,Mouse,Rat
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

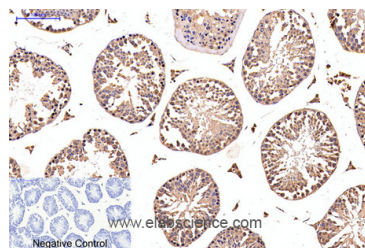
Applications Recommended Dilution

WB	1:500-1:3000
IHC	1:50-1:300
IF	1:100-1:200

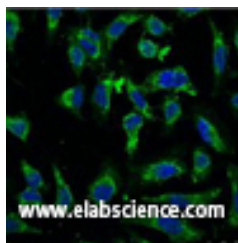
Data



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.

For Research Use Only

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. 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.