
Product Name: KD-Validated EFHD1 Mouse Monoclonal Antibody**Catalog #: KVA01161**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:100-1:500; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 26.9kDa

Antigen Information

Gene Name	EFHD1
Alternative Names	EFHD1; EF-Hand Domain Family Member D1; Swiprosin-2; EF-Hand Domain-Containing Protein D1; EF-Hand Domain-Containing Protein 1; FLJ13612; SWS2; EF Hand Domain Containing 1; MSTP133; MST133; PP3051
Gene ID	80303.0
SwissProt ID	Q9BUP0
Immunogen	Recombinant protein of human EFHD1

Background

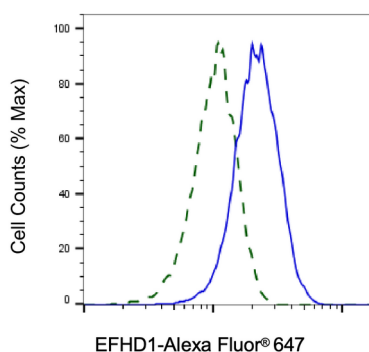
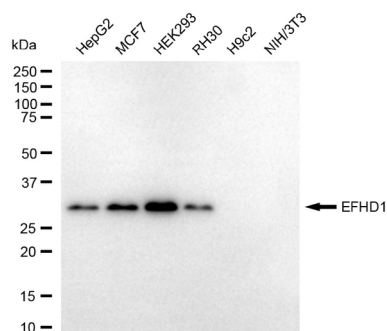
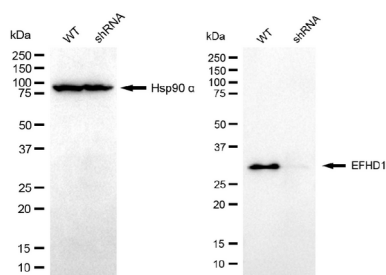
This gene encodes a member of the EF-hand super family of calcium binding proteins, which are involved in a variety of cellular processes including mitosis, synaptic transmission, and cytoskeletal rearrangement. The protein encoded by this gene is

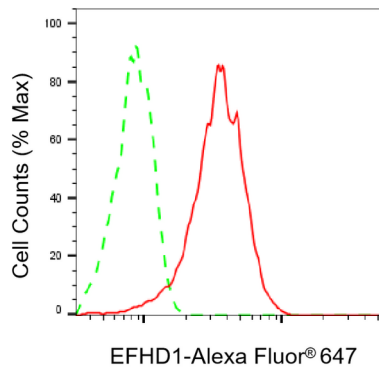
composed of an N-terminal disordered region, proline-rich elements, two EF-hands, and a C-terminal coiled-coil domain. This protein has been shown to associate with the mitochondrial inner membrane, and in HeLa cells, acts as a novel mitochondrial calcium ion sensor for mitochondrial flash activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]

Research Area

Cell Biology

Image Data





Flow cytometric analysis of EFHD1 expression in HeLa cells using EFHD1 antibody (KVA01161, 1:1,000). Green, isotype control; red, EFHD1.