



EFHD1 Monoclonal Antibody

Cat #: ABM0035

Size: 100µl

Product Information

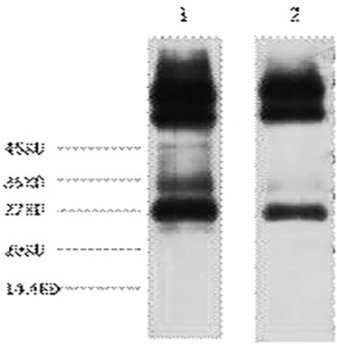
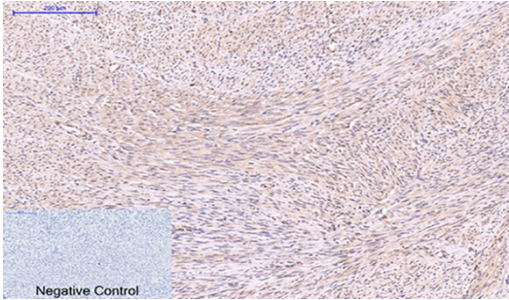
	Product Name: EFHD1 Monoclonal Antibody		
	Applications: WB, IF, IHC-P		Isotype: Mouse IgG1
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABM0035	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: EFHD1 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. EF-hand domain family member D1 encoded by EFHD1 is composed of an N-terminal disordered region, proline-rich elements, two EF-hands, and a C-terminal coiled-coil domain. EF-hand domain family member D1 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.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:2000), IF (1:100-1:200), IHC-P (1:50-1:300).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

	<p>Fig.1. Western blot analysis of 1) Mouse spleen tissue, 2) Rat spleen tissue, diluted at 1:3000.</p>
	<p>Fig.2. Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, EFHD1 Monoclonal Antibody 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.</p>

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