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Rabbit Anti-EFHD1 antibody

SL9015R

Product Name:	EFHD1
Chinese Name:	EFHD1蛋白抗体
Alias:	EF hand domain containing 1; EF hand domain family, member D1; EF-hand domain-containing protein 1; EF-hand domain-containing protein D1; EFHD1_HUMAN; Mitocalcin; MST133; MSTP133; PP3051; RGD1559565; Swiprosin 2; Swiprosin-2; SWS2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EFHD1:151-239/239
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The EF-hand domain is a twelve amino acid loop motif that is commonly found in proteins that participate in calcium-binding events within the cell. EF-hand domains generally exist in a pair that, together, form a stable four-helix bundle that enables the binding of calcium ions. Swiprosin-2, also known as EFHD1 (EF-hand domain-

containing protein D1), SWS2, PP3051 or MST133, is a 239 amino acid protein that contains two EF-hand domains and is expressed in a wide variety of tissues, including brain, liver, heart, kidney, testis, ovaries and spleen. Expression of Swiprosin-2, a possible calcium-binding protein, is upregulated during neuronal differentiation, suggesting a role for Swiprosin-2 in brain development and maturation.

Similarity:
Contains 2 EF-hand domains.

SWISS:
Q9BUP0

Gene ID:
80303

Database links:

Entrez Gene: 80303 Human

Entrez Gene: 98363 Mouse

Entrez Gene: 501181 Rat

Omim: 611617 Human

SwissProt: Q9BUP0 Human

SwissProt: Q9D4J1 Mouse

SwissProt: D4A9T5 Rat

Unigene: 516769 Human

Unigene: 728572 Human

Unigene: 247951 Mouse

Unigene: 12811 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.