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Rabbit Anti-SHFM3 antibody

SL8390R

Product Name:	SHFM3
Chinese Name:	SHFM3蛋白抗体
Alias:	DAC; Dactylin; F box and WD 40 domain containing protein 4; F box and WD 40 domain protein 4; F box and WD repeat domain containing 4; F box/WD repeat containing protein 4; F box/WD repeat protein 4; F-box and WD-40 domain-containing protein 4; F-box/WD repeat-containing protein 4; FBW 4; FBW4; FBWD 4; FBWD4; FBXW 4; FBXW4; FBXW4_HUMAN; SHFM 3; SHSF 3; SHSF3; Split hand/foot malformation (ectrodactyly) type.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	46kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SHFM3:171-270/412
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:	Probably recognizes and binds to some phosphorylated proteins and promotes their ubiquitination and degradation. Likely to be involved in key signaling pathways crucial for normal limb development. May participate in Wnt signaling.

Involvement in disease:Defects in FBXW4 are a cause of split-hand/foot malformation type 3 (SHFM3) . SHFM3 is an autosomal dominant disorder characterized by hypoplasia/aplasia of the central digits with fusion of the remaining digits.

Function:
Probably recognizes and binds to some phosphorylated proteins and promotes their ubiquitination and degradation. Likely to be involved in key signaling pathways crucial for normal limb development. May participate in Wnt signaling.

Subunit:
Part of a SCF (SKP1-cullin-F-box) protein ligase complex (By similarity).

Subcellular Location:
Expressed in brain, kidney, lung and liver.

Tissue Specificity:
Expressed in brain, kidney, lung and liver.

DISEASE:
Defects in FBXW4 are a cause of split-hand/foot malformation type 3 (SHFM3) [MIM:246560]. SHFM3 is an autosomal dominant disorder characterized by hypoplasia/aplasia of the central digits with fusion of the remaining digits.

Similarity:
Contains 1 F-box domain.
Contains 4 WD repeats.

SWISS:
P57775

Gene ID:
6468

Database links:

Entrez Gene: 6468Human

Omim: 608071Human

SwissProt: P57775Human

Unigene: 500822Human

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

Picture:	Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SHFM3) Polyclonal Antibody, Unconjugated (SL8390R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.