

Rabbit Anti-SHFM3/Cy5 Conjugated antibody

SL8390R-Cy5

Product Name	Anti-SHFM3/Cy5
Chinese Name	Cy5 标记的 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.
Research Area	Cell biology Developmental biology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse)
Applications	IF=1:100-500not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	46kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SHFM3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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.

Database links:

[Entrez Gene: 6468](#) Human

[Omic: 608071](#) Human

[SwissProt: P57775](#) Human

[Unigene: 500822](#) Human

Important Note:

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



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