10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SHFM3 Rabbit pAb

Catalog # AP97422

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P57775
Other Accession	P57775
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46337
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SHFM3
Epitope Specificity	171-270/412
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 F-box domain. Contains 4 WD repeats.
SUBUNIT	Part of a SCF (SKP1-cullin-F-box) protein ligase complex (By similarity).
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	6468
Other Names	DAC; FBW4; FBWD4; SHFM3; SHSF3; FBXW4_HUMAN; FBXW4; Dactylin; F-box and WD-40 domain-containing protein 4; F-box and WD repeat domain containing 4; split hand/foot malformation (ectrodactyly) type 3; F-box and WD-40 domain protein 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	FBXW4
Synonyms	FBW4, SHFM3
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.
Tissue Location	Expressed in brain, kidney, lung and liver.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.