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FBXW4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20218B

Specification

FBXW4 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P57775
Other Accession	NP_071322.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**46337**
Antigen Region	**341-370**

FBXW4 Antibody (C-term) - Additional Information

Gene ID 6468

Other Names
F-box/WD repeat-containing protein 4, Dactylin, F-box and WD-40 domain-containing protein 4, FBXW4, FBW4, SHFM3

Target/Specificity
This FBXW4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-370 amino acids from the C-terminal region of human FBXW4.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FBXW4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FBXW4 Antibody (C-term) - 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.

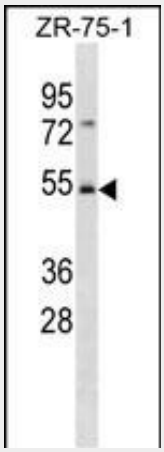
Tissue Location
Expressed in brain, kidney, lung and liver.

FBXW4 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FBXW4 Antibody (C-term) - Images



FBXW4 Antibody (C-term) (Cat. #AP20218b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the FBXW4 antibody detected the FBXW4 protein (arrow).

FBXW4 Antibody (C-term) - Background

This gene is a member of the F-box/WD-40 gene family, which recruit specific target proteins through their WD-40 protein-protein binding domains for ubiquitin mediated degradation. In mouse, a highly similar protein is thought to be responsible for maintaining the apical ectodermal ridge of developing limb buds; disruption of the mouse gene results in the absence of central digits, underdeveloped or absent metacarpal/metatarsal bones and syndactyly. This phenotype is remarkably similar to split hand-split foot malformation in humans, a clinically heterogeneous condition with a variety of modes of transmission. An autosomal recessive form has been mapped to the chromosomal region where this gene is located, and complex rearrangements involving duplications of this gene and others have been associated with the condition. A

pseudogene of this locus has been mapped to one of the introns of the BCR gene on chromosome 22.

FBXW4 Antibody (C-term) - References

Everman, D.B., et al. Am. J. Med. Genet. A 140(13):1375-1383(2006)
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Deloukas, P., et al. Nature 429(6990):375-381(2004)
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