Datasheet for ABIN1881340

anti-FBXW4 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	FBXW4
Binding Specificity:	AA 341-370, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FBXW4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	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.
Clone:	RB42400
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	FBXW4
Alternative Name:	FBXW4 (FBXW4 Products)
Background:	This gene is a member of the F-box/WD-40 gene family, which recruit specific target proteins

Target Details

	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.
Molecular Weight:	46337
NCBI Accession:	NP_071322
UniProt:	P57775

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

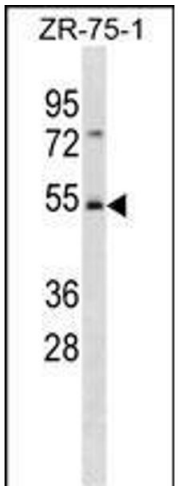
Product cited in:	Everman, Morgan, Lyle, Laughridge, Bamshad, Clarkson, Colby, Gurrieri, Innes, Roberson, Schrander-Stumpel, van Bokhoven, Antonarakis, Schwartz: "Frequency of genomic rearrangements involving the SHFM3 locus at chromosome 10q24 in syndromic and non-

Publications

syndromic split-hand/foot malformation." in: **American journal of medical genetics. Part A**, Vol. 140, Issue 13, pp. 1375-83, (2006) (PubMed).

Deloukas, Earthrowl, Grafham, Rubenfield, French, Steward, Sims, Jones, Searle, Scott, Howe, Hunt, Andrews, Gilbert, Swarbreck, Ashurst, Taylor, Battles, Bird, Ainscough, Almeida, Ashwell, Ambrose et al.: "The DNA sequence and comparative analysis of human chromosome 10. ..." in: **Nature**, Vol. 429, Issue 6990, pp. 375-81, (2004) (PubMed).

Images



Western Blotting

Image 1. FBXW4 Antibody (C-term) (ABIN1881340 and ABIN2839057) western blot analysis in ZR-75-1 cell line lysates (35 µg/lane).This demonstrates the FBXW4 antibody detected the FBXW4 protein (arrow).