



Anti-FBXW4 monoclonal antibody (DCABH-11542)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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.

Immunogen	A synthetic peptide of human FBXW4 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	FBXW4 F-box and WD repeat domain containing 4 [Homo sapiens]
Official Symbol	FBXW4
Synonyms	FBXW4; F-box and WD repeat domain containing 4; F box and WD 40 domain protein 4 , SHFM3, split hand/foot malformation (ectrodactyly) type 3; F-box/WD repeat-containing protein 4; dactylin; Fbw4; F-box/WD repeat protein 4; F-box and WD-40 domain protein 4; F-box and WD-40 domain-containing protein 4; DAC; FBW4; FBWD4; SHFM3; SHSF3;
Entrez Gene ID	6468
Protein Refseq	NP_071322
UniProt ID	P57775
Chromosome Location	10q24
Pathway	Association of TriC/CCT with target proteins during biosynthesis, organism-specific biosystem; Chaperonin-mediated protein folding, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Protein folding, organism-specific biosystem.
Function	molecular_function;