Datasheet for ABIN1683290

anti-WISP1 antibody (AA 158-367)

2 Images

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Overview

Quantity:	100 µg
Target:	WISP1
Binding Specificity:	AA 158-367
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WISP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 158-367 of human WISP1 (NP_003873.1).
Sequence:	LRVRPPRLWC PHPRRVSIPG HCCEQWVCED DAKRPRKTAP RDTGAFDAVG EVEAWHRNCI AYTSPWSPCS TSCGLGVSTR ISNVNAQCWP EQESRLCNLR PCDVDIHTLI KAGKKCLAVY QPEASMNFTL AGCISTRSYQ PKYCGVCMDN RCCIPYKSKT IDVSFQCPDG LGFSRQVLWI NACFCNLSCR NPNDIFADLE SYPDFSEIAN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	WISP1
Alternative Name:	WISP1 (WISP1 Products)
Background:	This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like domain. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. It is expressed at a high level in fibroblast cells, and overexpressed in colon tumors. The encoded protein binds to decorin and biglycan, two members of a family of small leucine-rich proteoglycans present in the extracellular matrix of connective tissue, and possibly prevents the inhibitory activity of decorin and biglycan in tumor cell proliferation. It also attenuates p53-mediated apoptosis in response to DNA damage through activation of the Akt kinase. It is 83 % identical to the mouse protein at the amino acid level. Multiple alternatively spliced transcript variants have been identified.,WISP1,CCN4,WISP1c,WISP1i,WISP1tc,Epigenetics & Nuclear Signaling,DNA Damage & Repair,Stem Cells,WISP1
Molecular Weight:	13 kDa/16 kDa/21 kDa/30 kDa/40 kDa
Gene ID:	8840
UniProt:	O95388
Pathways:	WNT Signaling, Growth Factor Binding

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

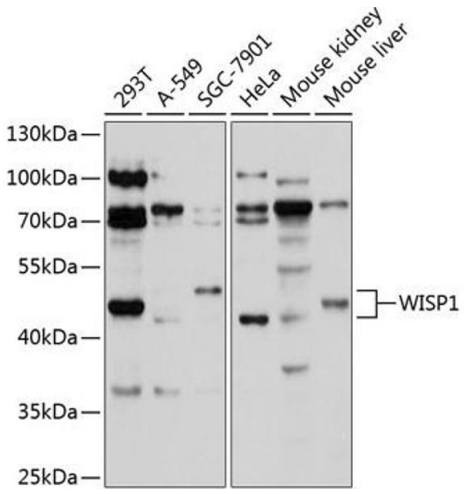
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

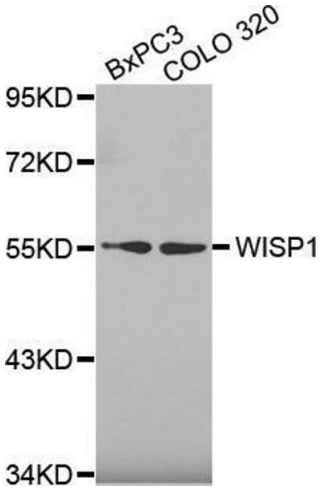
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using WISP1 antibody (ABIN1683290, ABIN3017735, ABIN3017736 and ABIN6220223) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 15s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using WISP1 antibody.