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Datasheet for ABIN2789653 anti-WISP1 antibody (Middle Region)

2 Images



Overview

Quantity:	100 µL
Target:	WISP1
Binding Specificity:	Middle Region
Reactivity:	Human, Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WISP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	VRPPRLWCPH PRRVSIPGHC CEQWVCEDDA KRPRKTAPRD TGAFDAVGEV
Predicted Reactivity:	Cow: 92%, Human: 100%, Pig: 85%
Characteristics:	This is a rabbit polyclonal antibody against WISP1. It was validated on Western Blot.
Purification:	Affinity Purified

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	

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	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.
	Alias Symbols: CCN4, WISP1c, WISP1i, WISP1tc
	Protein Interaction Partner: BGN, DCN, UGGT1,
	Protein Size: 367
Molecular Weight:	38 kDa
Gene ID:	8840
NCBI Accession:	NM_003882, NP_003873
UniProt:	095388
Pathways:	WNT Signaling, Growth Factor Binding

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 367 AA	
Restrictions:	For Research Use only	

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

