

Datasheet for ABIN6150227 anti-WISP2 antibody (AA 1-250)



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Overview

Quantity:	100 µL
Target:	WISP2
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WISP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human WISP2 (NP_003872.1).
Sequence:	MRGTPKTHLL AFSLLCLLSK VRTQLCPTPC TCPWPPPRCP LGVPLVLDGC GCCRVCARRL GEPCDQLHVC DASQGLVCQP GAGPGGRGAL CLLAEDDSSC EVNGRLYREG ETFQPHCSIR CRCEDGGFTC VPLCSEDVRL PSWDCPHPRR VEVLGKCCPE WVCQGQGGGLG TQPLPAQGPQ FSGLVSSLPP GVPCPEWSTA WGPCSTTCGL GMATRVSNQN RFCRLETQRR LCLSRPCPPS RGRSPQNSAF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	WISP2
Alternative Name:	WISP2 (WISP2 Products)
Background:	<p>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 (CT) domain. The encoded protein lacks the CT domain which is implicated in dimerization and heparin binding. It is 72 % identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone turnover.,WISP2,CCN5,CT58,CTGF-L,Epigenetics & Nuclear Signaling,Cancer,Tumor suppressors,Stem Cells,Mesenchymal Stem Cells,Cardiovascular,Heart,Hypertrophy,WISP2</p>
Molecular Weight:	22 kDa/26 kDa
Gene ID:	8839
UniProt:	O76076
Pathways:	WNT Signaling , Growth Factor Binding

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

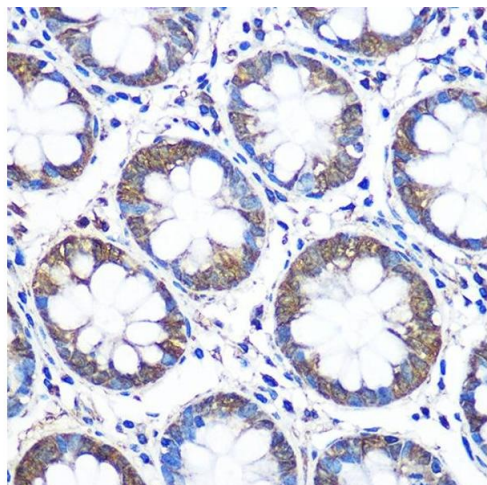
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

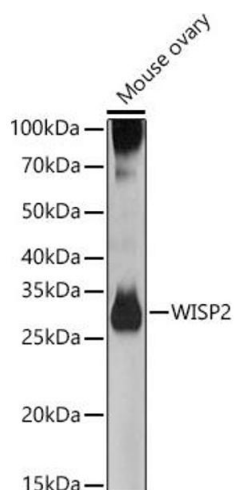
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



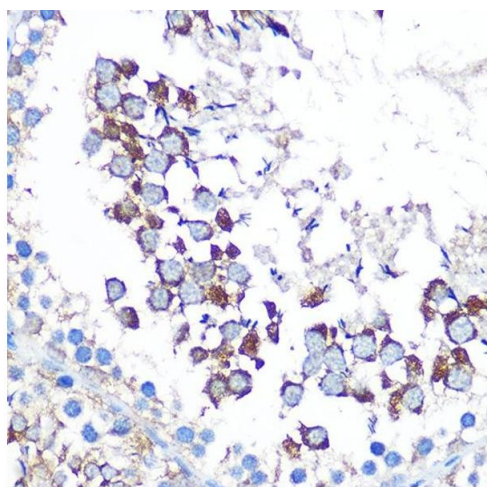
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon using WISP2 Rabbit pAb (ABIN6128929, ABIN6150227, ABIN6150229 and ABIN6223338) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse ovary, using WISP2 antibody (ABIN6128929, ABIN6150227, ABIN6150229 and ABIN6223338) at 1:500 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: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat testis using WISP2 Rabbit pAb (ABIN6128929, ABIN6150227, ABIN6150229 and ABIN6223338) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.