

DNAxPAb

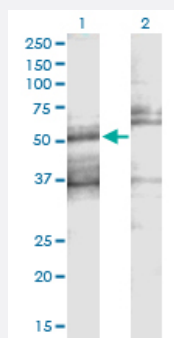
Hard-to-Find
Antibody

WISP1 DNAxPab

Catalog # H00008840-W01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of WISP1 expression in transfected 293T cell line by WISP1 DNAxPab polyclonal antibody.

Lane 1: WISP1 transfected lysate(49.5 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a partial-length human WISP1 DNA using DNAx™ Immune technology.

Technology

[DNAx™ Immune](#)

Immunogen

WISP1 (NP_543028.1, 23 a.a. ~ 280 a.a) partial-length human DNA

Sequence

MRWFLPWTLAAVTAAASTVLATALSPAPTTMDFTPAPLEDTSSRPQFCKWPCECPPSPPRCP
LGVSLITDGCECKMCAQQLGDNCTEAAICDPHRGLYCDYSGDRPRYAIGVCAHAVGEVEAWHR
NCIAYTSPWSPCSTSCGLGVSTRISNVNAQCWPEQESRLCNLRPCDVIDHTLIKAGKKCLAVYQP
EASMNFTLAGCISTRSYQPKYCGVCMNRCIPYKSKTIDVSFQCPDGLGFSRQVLWINACFCNL
SCRNPNDIFADLESYPDFSEIAN

Host

Rabbit

Reactivity

Human

Purification

Protein A

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

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

Applications

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — WISP1

Entrez GeneID	8840
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GeneBank Accession#	NM_080838.1
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Protein Accession#	NP_543028.1
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Gene Name	WISP1
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Gene Alias	CCN4, WISP1c, WISP1i, WISP1tc
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Gene Description	WNT1 inducible signaling pathway protein 1
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Omim ID	603398
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Gene Ontology	Hyperlink
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Gene Summary

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. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq]

Other Designations

WNT1 induced secreted protein 1|Wnt-1 inducible signaling pathway protein 1|wnt-1 signaling pathway protein 1

Disease

- [Asthma](#)
- [Celiac Disease](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Narcolepsy](#)
- [Osteoarthritis](#)
- [Ovarian Neoplasms](#)
- [Spondylitis](#)
- [Tobacco Use Disorder](#)