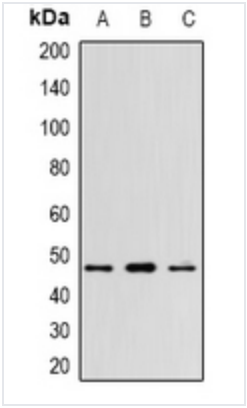
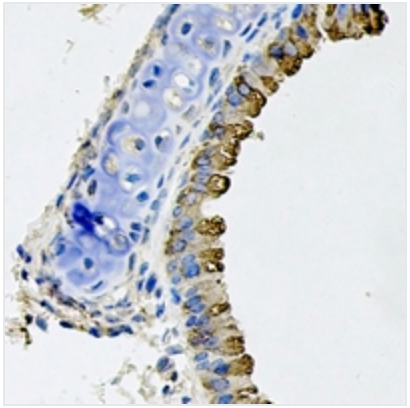
WNT5B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WNT5B, Polyclonal Antibody
Full Product Name	Rabbit anti-WNT5B Antibody
Product Gene Name	anti-WNT5B antibody
Product Synonym Names	Protein Wnt-5b
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	Predicted: 39 kDa Observed: 465 kDa
OMIM	606361
3D Structure	ModBase 3D Structure for Q9H1J7
Immunogen	Recombinant full length protein of human WNT5B
Product Categories/Family for anti-WNT5B antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-WNT5B antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-WNT5B antibody	WB: 1:500-1:2000 IHC: 1:50-1:100
Related Product Information for anti-WNT5B antibody	MBS4507833 is an antibody targeting WNT5B. Also known as Rabbit anti-WNT5B Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-WNT5B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-WNT5B antibody
Western blot analysis of WNT5B expression in HepG2 (A), SHSY5Y (B), mouse liver (C) whole cell lysates.



Immunohistochemistry (IHC) of anti-WNT5B antibody
Immunohistochemical analysis of WNT5B staining in mouse lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WNT5B. It may not necessarily be applicable to this product.

NCBI GI #	17402919
NCBI GeneID	81029
NCBI Accession #	NP_110402
UniProt Primary Accession #	Q9H1J7
UniProt Secondary Accession #	P22726
UniProt Related Accession #	Q9H1J7
GenBank Nucleotide #	NM_030775.2
NCBI Official Full Name	protein Wnt-5b
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 5B
NCBI Official Symbol	WNT5B
UniProt Protein Name	Protein Wnt-5b
UniProt Gene Name	WNT5B
UniProt Entry Name	WNT5B_HUMAN
NCBI Protein Information	protein Wnt-5b; WNT-5B protein
NCBI Summary for WNT5B	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 94% and 80% amino acid identity to the mouse Wnt5b protein and the human WNT5A protein, respectively. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]

UniProt Comments for WNT5B	WNT5B: Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters. Interacts with PORCN. Belongs to the Wnt family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 12p13.3 Cellular Component: proteinaceous extracellular matrix; extracellular space; cell surface; Golgi lumen; endoplasmic reticulum lumen; extracellular region; plasma membrane Molecular Function: frizzled binding; receptor binding Biological Process: fat cell differentiation; neuron differentiation; Wnt receptor signaling pathway; cell fate commitment; wound healing; chondrocyte differentiation; positive regulation of fat cell differentiation; positive regulation of cell migration
Research Articles on WNT5B	**1.** This study shows that the WNT5B germline variant rs2010851 was significantly identified as a stage-dependent prognostic marker for CC patients after 5-fluorouracil-based adjuvant therapy.
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