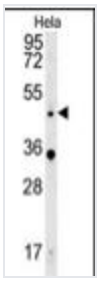
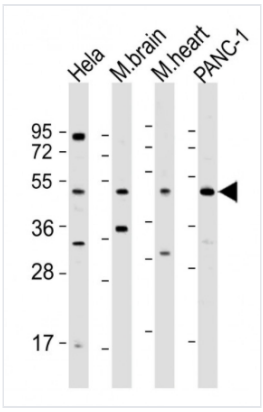
WNT5A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

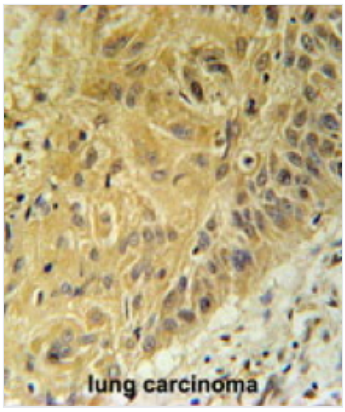
Product Name	WNT5A, Polyclonal Antibody
Full Product Name	WNT5A, ID (WNT5A, Protein Wnt-5a) (MaxLight 550)
Product Gene Name	anti-WNT5A antibody
Product Synonym Names	WNT5A; Protein Wnt-5a
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human WNT5A. Species Crossreactivity: mouse, rat
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	40,887 Da
OMIM	164975
3D Structure	ModBase 3D Structure for P41221
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 185-213 in the central region of human WNT5A, Swiss/UniProt Accession: P41221
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-WNT5A antibody	Antibodies; Wnt Proteins
Applications Tested/Suitable for anti-WNT5A antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB), Flow Cytometry (FC/FACS), FLISA
Application Notes for anti-WNT5A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-WNT5A antibody	MBS6363727 is an antibody targeting WNT5A. Also known as WNT5A, ID (WNT5A, Protein Wnt-5a) (MaxLight 550). Reactive in Human, Mouse, Rat. Host: Rabbit.
Product References and Citations for anti-WNT5A antibody	He, X., et al. Science 275(5306):1652-1654(1997). Danielson, K.G., et al. J. Biol. Chem. 270(52):31225-31234(1995) Smolich, B.D., et al. Mol. Biol. Cell 4(12):1267-1275(1993) Clark, C.C., et al. Genomics 18(2):249-260(1993).
Other Notes	Small volumes of anti-WNT5A 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.



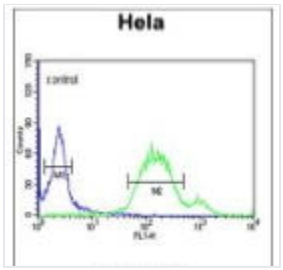
Western Blot (WB) of anti-WNT5A antibody
Western Blot of Hela cell line lysates (35ug/lane) usingMBS6002362. This demonstrates that MBS6002362 detected the WNT5A protein (arrow).



Testing Data of anti-WNT5A antibody
All lanes: MBS6002362 (1:500) Lane 1: Hela whole cell lysate Lane 2: mouse brain lysate Lane 3: mouse heart lysate Lane 4: PANC-1 whole cell lysate Lysates/proteins at 20ug/lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1:10,000. Predicted band size: 42kD. Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (IHC) of anti-WNT5A antibody
Immunohistochemistry of formalin fixed and paraffin embedded human lung carcinoma using MBS6002362 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MBS6002362 for immunohistochemistry.



Flow Cytometry (FC/FACS) of anti-WNT5A antibody
Flow Cytometric analysis of Hela cells using MBS6002362 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WNT5A. It may not necessarily be applicable to this product.

NCBI GI #	40806205
NCBI GeneID	7474
NCBI Accession #	NP_003383.2
UniProt Primary Accession #	P41221
UniProt Secondary Accession #	Q6P278; A8K4A4
UniProt Related Accession #	P41221
GenBank Nucleotide #	NM_003392.4
NCBI Official Full Name	protein Wnt-5a isoform 1
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 5A
NCBI Official Symbol	WNT5A
NCBI Official Synonym Symbols	hWNT5A
UniProt Protein Name	Protein Wnt-5a
Protein Family	Protein

UniProt Gene Name	WNT5A
UniProt Entry Name	WNT5A_HUMAN
NCBI Protein Information	protein Wnt-5a; WNT-5A protein
NCBI Summary for WNT5A	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 encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]
Research Articles on WNT5A	**1.** Wnt5a may act as a tumor-suppressor gene in hepatocellular carcinoma
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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