WNT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Wnt2, Polyclonal Antibody
Full Product Name	Rabbit anti-Mus musculus (Mouse) Wnt2 Polyclonal Antibody
Product Gene Name	anti-Wnt2 antibody
Product Synonym Names	Wnt2 Antibody; Protein Wnt-2; INT-1-related protein; IRP), Wnt2, Irp Wnt-2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mus musculus (Mouse)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	40,482 Da
3D Structure	ModBase 3D Structure for P21552
Immunogen	Recombinant Mus musculus Wnt2 protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-Wnt2 antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-Wnt2 antibody	MBS7142852 is an antibody targeting Wnt2. Also known as Rabbit anti-Mus musculus (Mouse) Wnt2 Polyclonal Antibody. Reactive in Mus musculus (Mouse). Host: Rabbit.
Other Notes	Small volumes of anti-Wnt2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Wnt2. It may not necessarily be applicable to this product.

NCBI GI #	242397432
NCBI GeneID	22413
NCBI Accession #	NP_076142.3
UniProt Primary Accession #	P21552
UniProt Secondary Accession #	Q9CZW3

UniProt Related Accession #	P21552
GenBank Nucleotide #	NM_023653.5
NCBI Official Full Name	protein Wnt-2
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 2
NCBI Official Symbol	Wnt2
NCBI Official Synonym Symbols	Irp; Mirp; Wnt-2; Wnt2a; Int1l1; 2610510E18Rik
UniProt Protein Name	Protein Wnt-2
UniProt Synonym Protein Names	INT-1-related protein; IRP
UniProt Gene Name	Wnt2
UniProt Synonym Gene Names	Irp; Wnt-2; IRP
UniProt Entry Name	WNT2_MOUSE
NCBI Protein Information	protein Wnt-2
UniProt Comments for Wnt2	WNT2: 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. Belongs to the Wnt family. Protein type: Secreted; Cell development/differentiation; Extracellular matrix; Secreted, signal peptide; Cell adhesion Cellular Component: extracellular matrix; extracellular space; proteinaceous extracellular matrix; cytoplasm; extracellular region; plasma membrane Molecular Function: frizzled binding; cytokine activity; receptor binding Biological Process: neuron differentiation; positive regulation of fibroblast proliferation; Wnt receptor signaling pathway; cell-cell signaling; atrial cardiac muscle morphogenesis; multicellular organismal development; positive regulation of cell proliferation; positive regulation of mesenchymal cell proliferation; positive regulation of transcription from RNA polymerase II promoter; positive regulation of endothelial cell proliferation; positive regulation of transcription factor activity; Wnt receptor signaling pathway through beta-catenin; positive regulation of cardiac muscle cell proliferation
Research Articles on Wnt2	**1.** We propose that the WNT2/CTNNB1 pathway regulates CX43 expression and gap junction intercellular communication in granulosa cells by modulating CTNNB1 stability and localization in adherens junctions
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