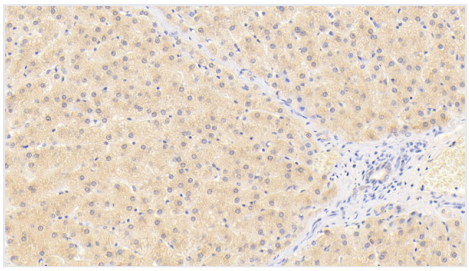
Wingless Type MMTV Integration Site Family, Member 11 (WNT11) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Wingless Type MMTV Integration Site Family, Member 11 (WNT11), Monoclonal Antibody
Full Product Name	Monoclonal Antibody to Wingless Type MMTV Integration Site Family, Member 11 (WNT11)
Product Gene Name	anti-WNT11 antibody
Product Synonym Names	WNT11/Wingless Type MMTV Integration Site Family, Member 11
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	D8
Host	Mouse
Species Reactivity	Human, Pig
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	1mg/mL (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against WNT11. It has been selected for its ability to recognize WNT11 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: WNT11 Clone #D8 (MBS2139404) APC-CY7 Conjugated Antibody: WNT11 Clone #D8 (MBS2138059)
Matching Pairs	Unconjugated Antibody: WNT11 Clone #D8 (MBS2139404) PE Conjugated Antibody: WNT11 Clone #D8 (MBS2138064)
Matching Pairs	Unconjugated Antibody: WNT11 Clone #D8 (MBS2139404) APC Conjugated Antibody: WNT11 Clone #D8 (MBS2138069)
Matching Pairs	Unconjugated Antibody: WNT11 Clone #D8 (MBS2139404) Cy3 Conjugated Antibody: WNT11 Clone #D8 (MBS2138074)
Matching Pairs	Unconjugated Antibody: WNT11 Clone #D8 (MBS2139404) Biotin Conjugated Antibody: WNT11 Clone #D8 (MBS2138079)
Matching Pairs	Unconjugated Antibody: WNT11 Clone #D8 (MBS2139404) FITC Conjugated Antibody: WNT11 Clone #D8 (MBS2138084)
Matching Pairs	Unconjugated Antibody: WNT11 Clone #D8 (MBS2139404) HRP Conjugated Antibody: WNT11 Clone #D8 (MBS2138089)
Molecular Weight	39,179 Da
3D Structure	ModBase 3D Structure for O96014
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Ser204~Glu349
Conjugation	Unconjugated
Product Categories/Family for anti-WNT11 antibody	Signal transduction; Metabolic pathway; Bone metabolism; Primary
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-WNT11 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-WNT11 antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Related Product Information for anti-WNT11 antibody	MBS2139404 is an antibody targeting WNT11. Also known as Monoclonal Antibody to Wingless Type MMTV Integration Site Family, Member 11 (WNT11). Reactive in Human, Pig. Host: Mouse.
Other Notes	Small volumes of anti-WNT11 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.



Immunohistochemistry (IHC) of anti-WNT11 antibody
DAB staining on IHCP; Sample: Human Liver Tissue; Primary Ab: 20ug/ml Mouse AntiHuman WNT11 Antibody Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WNT11. It may not necessarily be applicable to this product.

NCBI GI #	3850706
NCBI GeneID	7481
NCBI Accession #	CAA73223.1
UniProt Primary Accession #	O96014
UniProt Secondary Accession #	Q14DE8; Q8WZ98; B2R8Z6
UniProt Related Accession #	O96014
NCBI Official Full Name	WNT11
NCBI Official Synonym Full Names	Wnt family member 11
NCBI Official Symbol	WNT11
NCBI Official Synonym Symbols	HWNT11
UniProt Protein Name	Protein Wnt-11
Protein Family	Protein
UniProt Gene Name	WNT11

NCBI Protein Information	protein Wnt-11
NCBI Summary for WNT11	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 97%, 85%, and 63% amino acid identity with mouse, chicken, and Xenopus Wnt11 protein, respectively. This gene may play roles in the development of skeleton, kidney and lung, and is considered to be a plausible candidate gene for High Bone Mass Syndrome. [provided by RefSeq, Jul 2008]
UniProt Comments for WNT11	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.
Research Articles on WNT11	**1.** we found that the hypoxic environment of the perivenular zone promotes Wnt11 expression in hepatocytes, which then regulates unique gene expression via activation of the non-canonical Wnt pathway
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