



# Wnt-10b Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-03427
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	WNT10B
<b>Protein Name</b>	Protein Wnt-10b
<b>Immunogen</b>	Purified recombinant fragment of human Wnt-10b expressed in E. Coli.
<b>Specificity</b>	Wnt-10b Monoclonal Antibody detects endogenous levels of Wnt-10b protein.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Western Blot: 1/500 - 1/2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	WNT10B; WNT12; Protein Wnt-10b; Protein Wnt-12
<b>Observed Band</b>	43kD
<b>Cell Pathway</b>	Secreted, extracellular space, extracellular matrix . Secreted .
<b>Tissue Specificity</b>	Detected in most adult tissues. Highest levels were found in heart and skeletal muscle. Low levels are found in brain.
<b>Function</b>	developmental stage:Infant brain has higher levels of WNT10B than adult brain.,function:Ligand for members of the frizzled family of seven transmembrane receptors.,function: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.,similarity:Belongs to the Wnt family.,tissue specificity:Detected in most adult tissues. Highest levels were found in heart and skeletal muscle. Low levels are found in brain.,
<b>Background</b>	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 may be involved in breast cancer, and its protein signaling is likely a molecular switch that governs adipogenesis. This protein is 96% identical to the mouse Wnt10b protein at the amino acid level. This gene is clustered with another family member, WNT1, in the chromosome 12q13 region. [provided by RefSeq, Jul



2008],

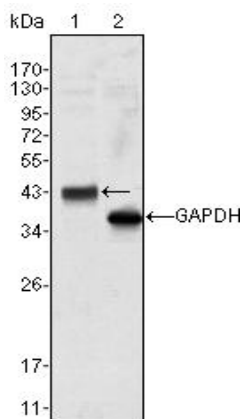
#### matters needing attention

Avoid repeated freezing and thawing!

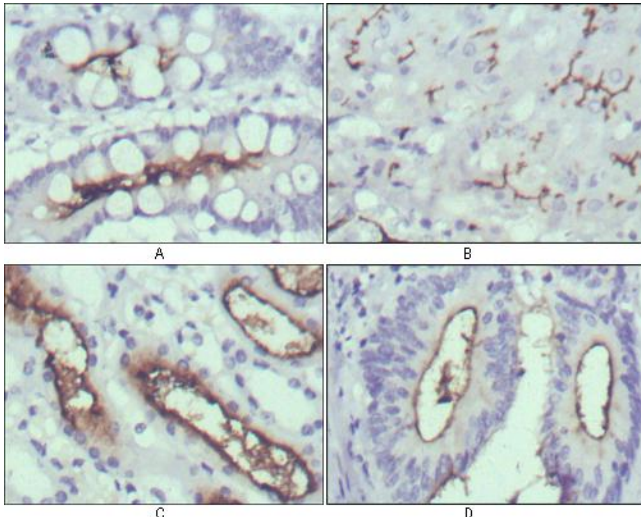
#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

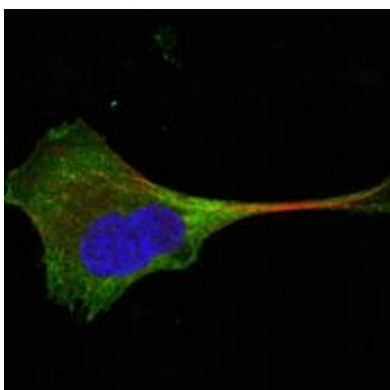
### Products Images



Western Blot analysis using Wnt-10b Monoclonal Antibody against HeLa cell lysate (1).



Immunohistochemistry analysis of paraffin-embedded human normal stomach (A), normal liver (B), normal kidney (C) and rectum cancer tissues (D) with DAB staining using Wnt-10b Monoclonal Antibody.



Confocal immunofluorescence analysis of PANC-1 cells using Wnt-10b Monoclonal Antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.