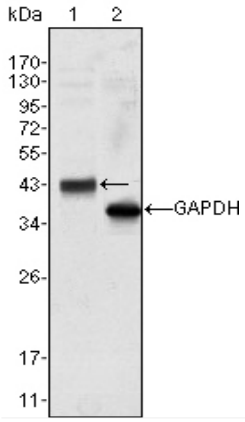
Wnt-10b Monoclonal Antibody

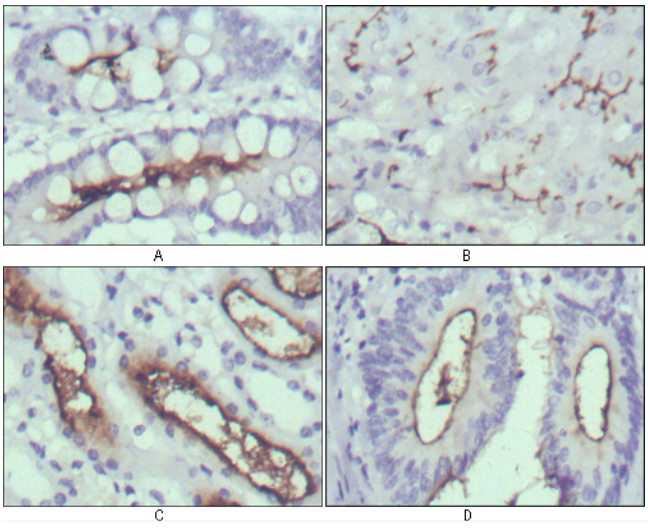
Catalog No	YP-Ab-03427
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	WNT10B
Protein Name	Protein Wnt-10b
Immunogen	Purified recombinant fragment of human Wnt-10b expressed in E. Coli.
Specificity	Wnt-10b Monoclonal Antibody detects endogenous levels of Wnt-10b protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	WNT10B; WNT12; Protein Wnt-10b; Protein Wnt-12
Observed Band	
Cell Pathway	Secreted, extracellular space, extracellular matrix . Secreted .
Tissue Specificity	Detected in most adult tissues. Highest levels were found in heart and skeletal muscle. Low levels are found in brain.
Function	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.,
Background	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.

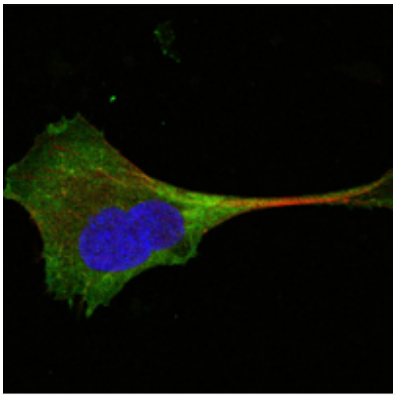
Products Images



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.