

Wnt3a mouse mAb

Catalog No :	YM1459
Reactivity :	Human
Applications :	WB
Target :	Wnt3a
Fields :	>>mTOR signaling pathway;>>Wnt signaling pathway;>>Hippo signaling pathway;>>Signaling pathways regulating pluripotency of stem cells;>>Melanogenesis;>>Cushing syndrome;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple diseases;>>Human papillomavirus infection;>>Pathways in cancer;>>Proteoglycans in cancer;>>MicroRNAs in cancer;>>Basal cell carcinoma;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer
Gene Name :	wnt3a
Human Gene Id :	89780
Human Swiss Prot No :	P56704
Mouse Swiss Prot No :	P27467
Immunogen :	Purified recombinant Wnt3a protein fragments expressed in E.coli.
Specificity :	This antibody detects endogenous levels of Wnt3a and Wnt3.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb dilution 1:1000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 42kD

Cell Pathway : WNT;WNT-T CELLHedgehog;Melanogenesis;Pathways in cancer;Basal cell carcinoma;

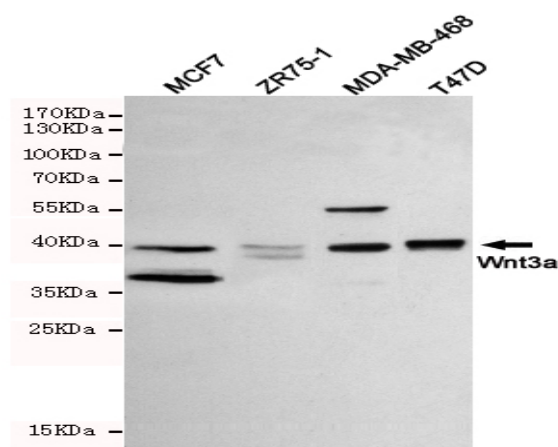
Background : The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. This gene is clustered with WNT14 gene, another family member, in chromosome 1q42 region. [provided by RefSeq, Jul 2008],

Function : function:Ligand for members of the frizzled family of seven transmembrane receptors.,function:Ligand for members of the frizzled family of seven transmembrane receptors. Wnt-3 and Wnt-3a play distinct roles in cell-cell signaling during morphogenesis of the developing neural tube.,similarity:Belongs to the Wnt family.,subunit:Interacts with PORCN.,tissue specificity:Moderately expressed in placenta and at low levels in adult lung, spleen, and prostate.,

Subcellular Location : Secreted, extracellular space, extracellular matrix . Secreted .

Expression : Moderately expressed in placenta and at low levels in adult lung, spleen, and prostate.

Products Images



Western blot detection of Wnt3a in MCF-7,ZR75-1,MDA-MB-468 and T47D cell lysates using Wnt3a mouse mAb (1:1000 diluted).Predicted band size: 42KDa.Observed band size:42KDa.