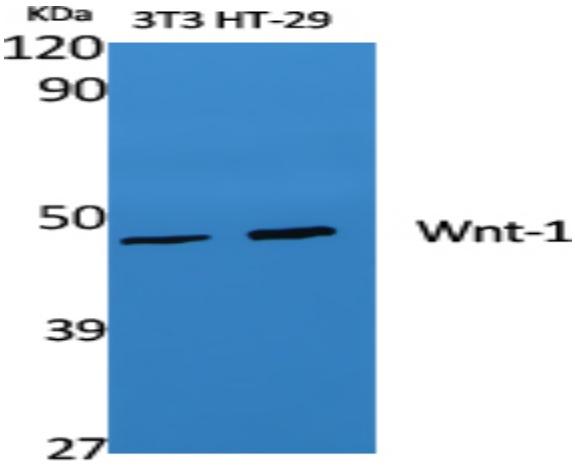
Best Tools for immunology Research

Wnt-1 Polyclonal Antibody

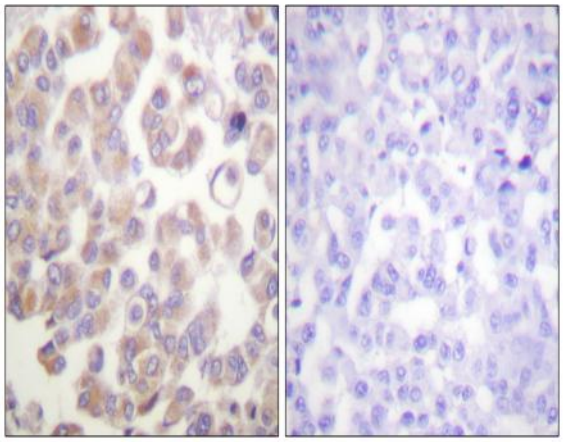
Catalog No :	YT4907
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Wnt-1
Fields :	>>mTOR signaling pathway;>>Wnt signaling pathway;>>Hippo signaling pathway;>>Signaling pathways regulating pluripotency of stem cells;>>Melanogenesis;>>Cushing syndrome;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple diseases;>>Human papillomavirus infection;>>Pathways in cancer;>>Proteoglycans in cancer;>>Chemical carcinogenesis - receptor activation;>>Basal cell carcinoma;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer
Gene Name :	WNT1
Protein Name :	Proto-oncogene Wnt-1
Human Gene Id :	7471
Human Swiss Prot No :	P04628
Mouse Gene Id :	22408
Mouse Swiss Prot No :	P04426
Immunogen :	The antiserum was produced against synthesized peptide derived from human WNT1. AA range:301-350
Specificity :	Wnt-1 Polyclonal Antibody detects endogenous levels of Wnt-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum 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 :	45kD
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 is very conserved in evolution, and the protein encoded by this gene is known to be 98% identical to the mouse Wnt1 protein at the amino acid level. The studies in mouse indicate that the Wnt1 protein functions in the induction of the mesencephalon and cerebellum. This gene was originally considered as a candidate gene for Joubert syndrome, an autosomal recessive disorder with cerebellar hypoplasia as a leading feature. However, further studies suggested that the gene mutations might not have a significant role in Joubert syndrome. This gene is clustered with another family member, WNT10B, in
Function :	function:Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule important in CNS development. Is likely to signal over only few cell diameters.,similarity:Belongs to the Wnt family.,subunit:Interacts with PORCN. Interacts with RSPO1, RSPO2 and RSPO3.,
Subcellular Location :	Secreted, extracellular space, extracellular matrix . Secreted .
Expression :	Testis,
Tag :	orthogonal,hot
Sort :	1
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western Blot analysis of various cells using Wnt-1 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using WNT1 Antibody. The picture on the right is blocked with the synthesized peptide.