Best Tools for immunology Research

Netrin-1 Polyclonal Antibody

Catalog No :	YT3042
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;IHC;IF;ELISA
Target :	Netrin-1
Fields :	>>Axon guidance
Gene Name :	NTN1
Protein Name :	Netrin-1
Human Gene Id :	9423
Human Swiss Prot No :	O95631
Mouse Gene Id :	18208
Mouse Swiss Prot No :	O09118
Rat Gene Id :	114523
Rat Swiss Prot No :	Q924Z9
Immunogen :	The antiserum was produced against synthesized peptide derived from human Netrin-1. AA range:484-533
Specificity :	Netrin-1 Polyclonal Antibody detects endogenous levels of Netrin-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. ELISA: 1:40000.. IF 1:50-200

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 : 75kD

Cell Pathway : Axon guidance;

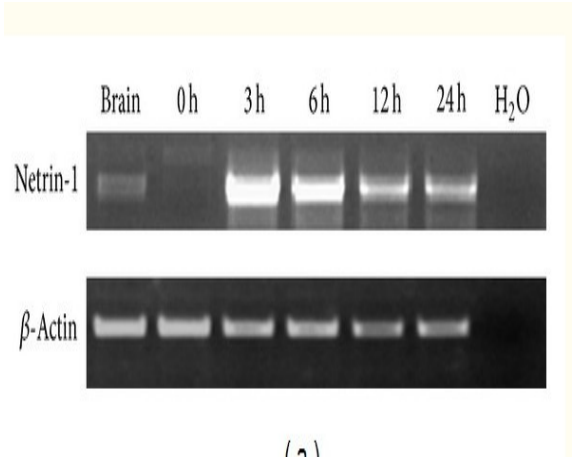
Background : Netrin is included in a family of laminin-related secreted proteins. The function of this gene has not yet been defined; however, netrin is thought to be involved in axon guidance and cell migration during development. Mutations and loss of expression of netrin suggest that variation in netrin may be involved in cancer development. [provided by RefSeq, Jul 2008],

Function : disease:Defects in NTN1 are associated with some forms of neuroblastomas.,function:Netrins control guidance of CNS commissural axons and peripheral motor axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. It also serve as a survival factor via its association with its receptors which prevent the initiation of apoptosis. Involved in colorectal tumorigenesis by regulating apoptosis.,similarity:Contains 1 laminin N-terminal domain.,similarity:Contains 1 NTR domain.,similarity:Contains 3 laminin EGF-like domains.,subunit:Binds to its receptors; DCC, UNC5A, UNC5B, UNC5C and probably UNC5D.,tissue specificity:Widely expressed in normal adult tissues with highest levels in heart, small intestine, colon, liver and prostate. Reduced expression in brain tumors and neuroblastomas.,

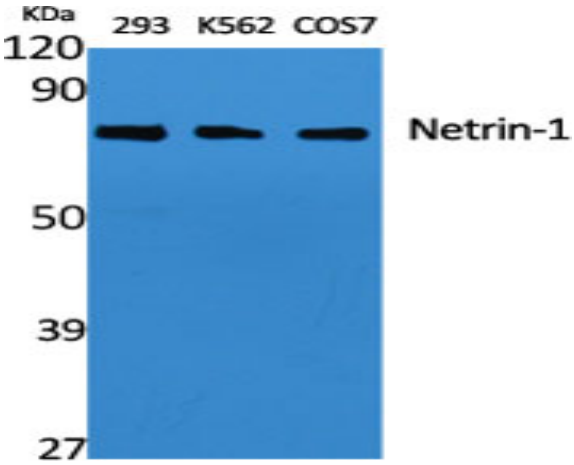
Subcellular Location : Secreted . Cytoplasm . Mainly secreted. .

Expression : Widely expressed in normal adult tissues with highest levels in heart, small intestine, colon, liver and prostate. Reduced expression in brain tumors and neuroblastomas. Expressed in epididymis (at protein level).

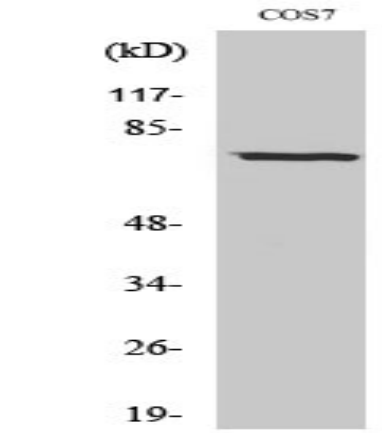
Products Images



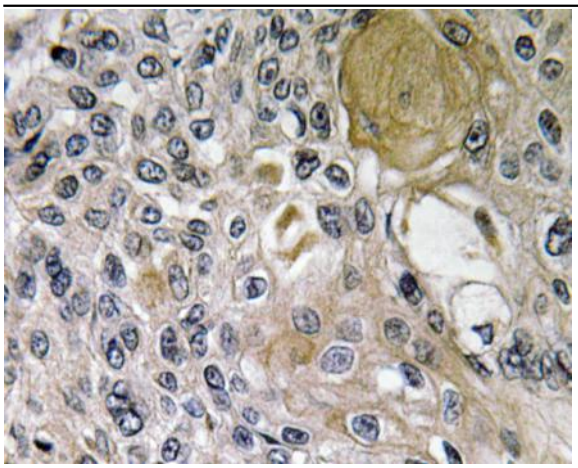
Guo, Xiao-Kai, et al. "The expression of netrin-1 in the thymus and its effects on thymocyte adhesion and migration." Clinical and Developmental Immunology 2013 (2013).



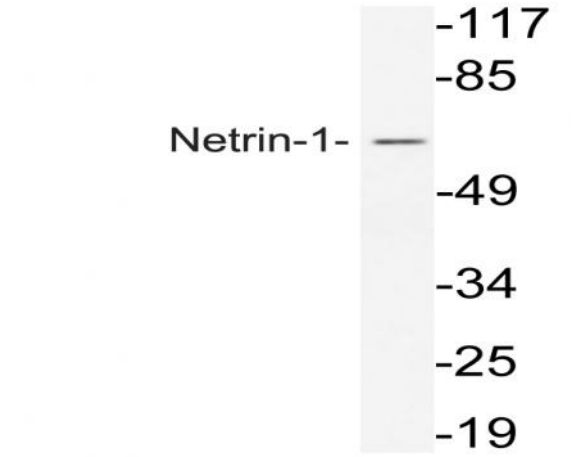
Western Blot analysis of various cells using Netrin-1 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of COS7 cells using Netrin-1 Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of Netrin-1 antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from COS7 cells, using Netrin-1 antibody.