Best Tools for immunology Research

Cadherin-18 Polyclonal Antibody

Catalog No :	YT0595
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Cadherin-18
Gene Name :	CDH18
Protein Name :	Cadherin-18
Human Gene Id :	1016
Human Swiss Prot No :	Q13634
Immunogen :	The antiserum was produced against synthesized peptide derived from human CDH18. AA range:101-150
Specificity :	Cadherin-18 Polyclonal Antibody detects endogenous levels of Cadherin-18 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 :	88kD

Cell Pathway : Adherens_Junction

Background : This gene encodes a type II classical cadherin from the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. This particular cadherin is expressed specifically in the central nervous system and is putatively involved in synaptic adhesion, axon outgrowth and guidance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014],

Function : function:Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.,similarity:Contains 5 cadherin domains.,

Subcellular Location : Cell membrane; Single-pass type I membrane protein.

Expression : Brain,Cerebellum,

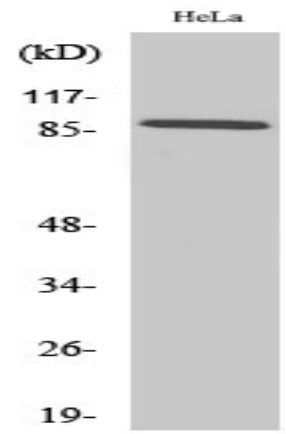
Sort : 724

No4 : 1

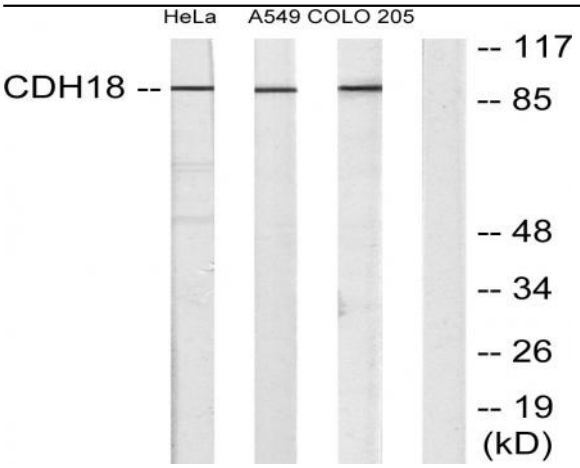
Host : Rabbit

Modifications : Unmodified

Products Images



Western Blot analysis of various cells using Cadherin-18 Polyclonal Antibody



Western blot analysis of lysates from HeLa, A549, and COLO205 cells, using CDH18 Antibody. The lane on the right is blocked with the synthesized peptide.