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Datasheet for ABIN1389109

anti-CDH18 antibody (AA 301-400) (Biotin)



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Quantity:	100 μL	
Target:	CDH18	
Binding Specificity:	AA 301-400	
Reactivity:	Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CDH18 antibody is conjugated to Biotin	
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CDH18	
Isotype:	IgG	
Cross-Reactivity:	Rat	
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit	
Purification:	Purified by Protein A.	

Target Details

Target:	CDH18
Alternative Name:	CDH18 (CDH18 Products)

Target Details

Background:

Synonyms: CAD18_HUMAN, Cadherin 14, Cadherin 18, Cadherin 18, Cadherin 18, type 2, Cadherin-14, Cadherin-18, CDH14, CDH14L, CDH18, CDH24, EY CADHERIN.

Background: The cadherins are a family of Ca2+-dependent adhesion molecules that function to mediate cell-cell binding events that are critical to the maintenance of cell structure and morphogenesis. EY-cadherin, also known as CDH18 (cadherin 18), CDH14 (cadherin 14), CDH24 or CDH14L, is a 790 amino acid single-pass type I membrane protein that contains five cadherin domains. One of several members of the cadherin superfamily, EY-cadherin functions as a type II classical cadherin that is expressed specifically in the central nervous system (CNS), where it plays a role in cell-cell binding events. Specifically, EY-cadherin is thought to be involved in axon guidance and outgrowth, as well as synaptic adhesion within the CNS. EY-cadherin contains a highly conserved C-terminal domain characteristic of all cadherins, but lacks the HAV cell adhesion sequence that is specific to type I cadherins. The gene encoding EY-cadherin is located within a region on chromosome five that is commonly deleted in carcinomas, implicating EY-cadherin as a potential tumor suppressor.

Pathways:

Cell-Cell Junction Organization

Application Details

Application Notes:

IHC-P 1:200-400

IHC-F 1:100-500

Restrictions:

For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months