

ARG40215 anti-Cadherin 16 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cadherin 16
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cadherin 16
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 19-230 of Human Cadherin 16. (NP_004053.1)
Conjugation	Un-conjugated
Alternate Names	Kidney-specific cadherin; Ksp-cadherin; Cadherin-16

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	110 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

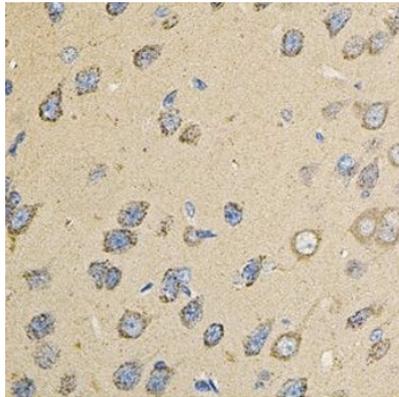
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

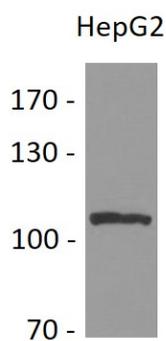
Gene Symbol	CDH16
Gene Full Name	cadherin 16, KSP-cadherin
Background	This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chromosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 and CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2011]
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. [UniProt]
Calculated Mw	90 kDa
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



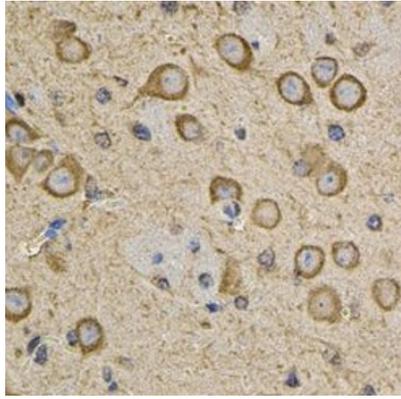
ARG40215 anti-Cadherin 16 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG40215 anti-Cadherin 16 antibody at 1:100 dilution.



ARG40215 anti-Cadherin 16 antibody WB image

Western blot: 25 µg of HepG2 cell lysate stained with ARG40215 anti-Cadherin 16 antibody at 1:1000 dilution.



ARG40215 anti-Cadherin 16 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain stained with ARG40215 anti-Cadherin 16 antibody at 1:100 dilution.