

ARG54603 anti-N Cadherin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes N Cadherin
Tested Reactivity	Hu, Ms, Rat, Bov, Chk
Tested Application	IHC, WB
Specificity	This antibody reacts with human, mouse, bovine and chicken N-Cadherin, and does not react with human E- or P-Cadherin. This antibody does not inhibit N-Cadherin dependent cell-cell contact.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	N Cadherin
Antigen Species	Human
Immunogen	Synthetic peptide representing amino acids 808-827 (RMDERPIHAEPQYPVRSAAP) of human N-Cadherin.
Conjugation	Un-conjugated
Alternate Names	Neural cadherin; N-cadherin; CDw325; CDHN; CD antigen CD325; NCAD; Cadherin-2; CD325

Application Instructions

Application Note	Western blot: 5 - 10 µg/ml, non-reducing and non - heating conditions. Immunohistochemistry: 5 - 10 µg/ml, paraffin-embedded and frozen tissue sections. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Buffer	10 mM PBS (pH 7.4) and 1% BSA
Stabilizer	1% BSA
Concentration	2 mg/ml
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 or below. 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	CDH2
Gene Full Name	cadherin 2

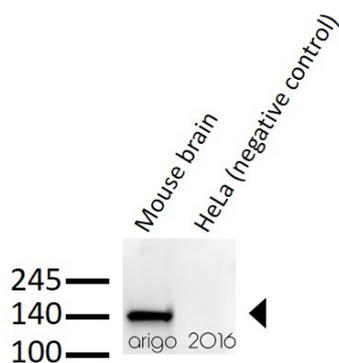
Background

This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. The protein functions during gastrulation and is required for establishment of left-right asymmetry. At certain central nervous system synapses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product. [provided by RefSeq, Jul 2008]

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. Acts as a regulator of neural stem cells quiescence by mediating anchorage of neural stem cells to ependymocytes in the adult subependymal zone: upon cleavage by MMP24, CDH2-mediated anchorage is affected, leading to modulate neural stem cell quiescence. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density (By similarity). [UniProt]

Images



ARG54603 anti-N Cadherin antibody WB image

Western blot: 30 µg of Mouse brain and HeLa lysate (negative control) stained with ARG54603 anti-N Cadherin antibody at 1:1000 dilution.