Rabbit Anti-N-cadherin Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52149

Specification

Rabbit Anti-N-cadherin Polyclonal Antibody -
Product Information

Application: WB, IHC-P, IF
Primary Accession: P19022
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal

Rabbit Anti-N-cadherin Polyclonal Antibody -
Additional Information

Gene ID: 1000
Other Names:
CDHN; NCAD; CD325; CDw325; Cadherin-2;
Neural cadherin; N-cadherin; CDH2

Dilution:
WB: 1:100–1:500
IHC-P: 1:100–1:500
IF: 1:100–1:200

Format:
0.01M TBS (pH 7.4) with 1% BSA, 0.03%
Proclin300 and 50% Glyce

Storage:
Store at -20 °C for one year. Avoid repeated
freeze/thaw cycles. When reconstituted in
sterile pH 7.4 0.01M PBS or diluent of
antibody the antibody is stable for at least
two weeks at 2-4 °C.

Rabbit Anti-N-cadherin Polyclonal Antibody -
Protein Information

Name: CDH2
Synonyms: CDHN, NCAD

Function:
Calcium-dependent cell adhesion protein;
preferentially mediates homotypic cell-cell
adhesion by dimerization with a CDH2 chain
from another cell. 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

Mouse breast cancer lysates probed with
Anti-N-cadherin Polyclonal Antibody,
Unconjugated (AP52149) at 1:300 in 4 °C.
Followed by conjugation to secondary antibody
at 1:5000 90min in 37 °C.

Paraformaldehyde-fixed, paraffin embedded
human lung carcinoma tissue; Antigen retrieval
by boiling in sodium citrate buffer (pH6) for
15min; Block endogenous peroxidase by 3%
hydrogen peroxide for 30 minutes; Blocking
buffer (normal goat serum) at 37 °C for 20min;
Antibody incubation with Rabbit
Anti-N-cadherin Polyclonal Antibody,
Unconjugated (AP52149) at 1:400 overnight at
4 °C, followed by a conjugated secondary and
DAB staining.
affected, leading to modulate neural stem cell quiescence. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density.

Cellular Location
Cell membrane
{ECO:0000250|UniProtKB:P15116};
{ECO:0000250|UniProtKB:P15116}. Cell junction. Cell surface
{ECO:0000250|UniProtKB:P15116}. Note=Colocalizes with TMEM65 at the intercalated disk in cardiomyocytes. Colocalizes with OBSCN at the intercalated disk and at sarcolemma in cardiomyocytes {ECO:0000250|UniProtKB:P15116}

Rabbit Anti-N-cadherin Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture

Rabbit Anti-N-cadherin Polyclonal Antibody - Background

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).

Rabbit Anti-N-cadherin Polyclonal Antibody - Citations

- Inhibition of ATM reverses EMT and decreases metastatic potential of cisplatin-resistant lung cancer cells through JAK/STAT3/PD-L1 pathway.
- MiR-5100 targets TOB2 to drive epithelial-mesenchymal transition associated with activating smad2/3 in lung epithelial cells.