
PCDH7 Rabbit pAb

Catalog Number: bs-11085R

Target Protein: PCDH7

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse (predicted:Rat, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 113 kDa

Subcellular: Cell membrane

Locations:

Entrez Gene: 5099

Swiss Prot: O60245

Source: KLH conjugated synthetic peptide derived from human PCDH7: 431-530/1069.

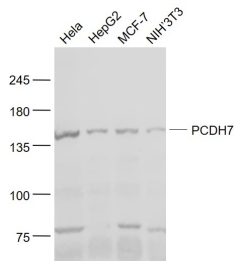
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

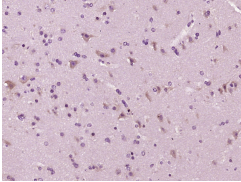
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: As a subfamily of the cadherin superfamily, protocadherins are cadherin-like cell adhesion proteins that contain up to seven extracellular domains and are predominantly expressed in the nervous system. Importantly, the adhesion mechanism of protocadherins is distinct from classic cadherins. Through inactivation or overexpression, several protocadherins have been implicated in a variety of cancers. PCDH7 (protocadherin 7), also known as BHPCDH or BH-Pcdh, is a 1069 amino acid single-pass I membrane protein that is expressed in the brain and heart. Containing seven cadherin domains, PCDH7 is thought to function in cell-cell recognition and adhesion. PCDH7 exists as three isoforms due to alternative splicing events.

VALIDATION IMAGES



Sample: Hela(Human) Cell Lysate at 30 ug HepG2(Human) Cell Lysate at 30 ug MCF-7(Human) Cell Lysate at 30 ug NIH/3T3(Mouse) Cell Lysate at 30 ug Primary: Anti- PCDH7 (bs-11085R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kD Observed band size: 150 kD



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCDH7) Polyclonal Antibody, Unconjugated (bs-11085R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=11.1] Kumar Vipendra. et al. mGluR7 allosteric modulator AMN082 corrects protein synthesis and pathological phenotypes in FXS. EMBO MOL MED. 2024 Feb 19 WB ; Mouse . 38374465