

bs-11113R**[Primary Antibody]****PCDH20 Rabbit pAb****Bioss**
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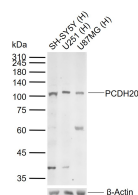
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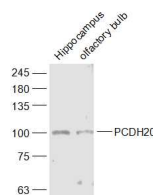
DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 64881**SWISS:** Q8N6Y1**Target:** PCDH20**Immunogen:** KLH conjugated synthetic peptide derived from human PCDH20: 611-710/924. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 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.

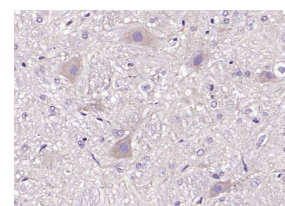
Background: As a subfamily of the cadherin superfamily, protocadherins are cadherin-like cell adhesion proteins that contain up to seven extracellular domains and are predominantly expressed in the nervous system. Importantly, the adhesion mechanism of protocadherins is distinct from classic cadherins. Through inactivation or overexpression, several protocadherins have been implicated in a variety of cancers. Protocadherin-20 (PCDH20), also known as protocadherin-13, is a 924 amino acid protein containing 6 cadherin domains and potentially functioning as a calcium-dependent cell-adhesion protein. In non-small cell lung cancer cell lines, a homozygous loss of PCDH20 was identified through either deletion of one allele and methylation of the other or methylation of both alleles. Hypermethylation of PCDH20 is associated with worse prognosis and clinical outcome, suggesting that PCDH20 may function as a tumor suppressor.

Applications: WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Horse)**Predicted MW.:** 98 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**

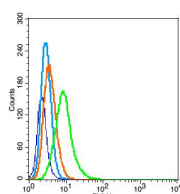
Sample: Lane 1: Human SH-SY5Y cell lysates
Lane 2: Human U251 cell lysates Lane 3: Human U87MG cell lysates
Primary: Anti-PCDH20 (bs-11113R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 98 kDa
Observed band size: 102 kDa



Sample: Hippocampus (Mouse) Lysate at 40 ug
Olfactory bulb (Mouse) Lysate at 40 ug
Primary: Anti-PCDH20 (bs-11113R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 98 kD
Observed band size: 100 kD



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); 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 (SV2B) Polyclonal Antibody, Unconjugated (bs-11113R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Blank control(blue): RSC96 (fixed with 2% paraformaldehyde (10 min)). Primary Antibody:Rabbit Anti- PCDH20 antibody(bs-11113R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

— SELECTED CITATIONS —

- **[IF=4.011]** Hirose F et al. Expression of protocadherin-20 in mouse taste buds. Sci Rep. 2020 Feb 6;10(1):2051. IF ;Mouse. 32029864