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PCDHB10 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55256

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UN67
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87621
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHB10
Epitope Specificity	351-450/800
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
SIMILARITY	Contains 6 cadherin domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Protocadherins are a large family of cadherin-like cell adhesion proteins that are involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin gene clusters, designated a, b and g, all of which contain multiple tandemly-arranged genes. PCDHB10 (protocadherin b10), also known as PCHB10 or PCDH-b10, is an 800 amino acid protein that is one of 16 proteins in the protocadherin b cluster. Unlike the a and g gene clusters, whose genes are spliced to downstream constant-region exons during transcription, members of the b cluster (such as PCDHB10) do not use constant-region exons to produce mRNAs. As a result, each protocadherin b gene encodes the transmembrane, extracellular and short cytoplasmic domains of the protein. Localized to the cell membrane, PCDHB10 is a single-pass type I membrane protein that contains six cadherin domains.

Additional Information

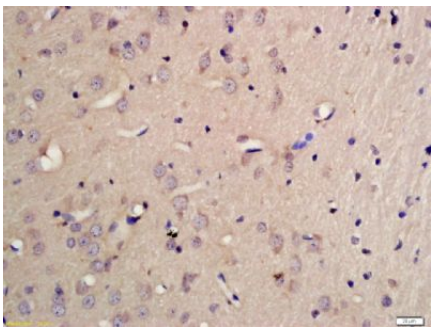
Gene ID	56126
Other Names	Protocadherin beta-10, PCDH-beta-10, PCDHB10
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated 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.

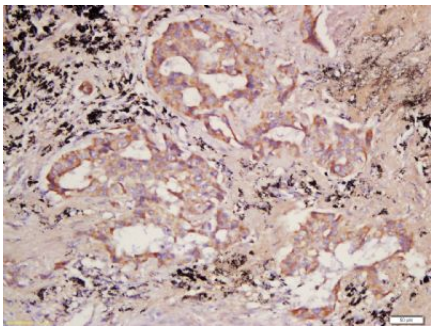
Protein Information

Name	PCDHB10
Function	Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.
Cellular Location	Cell membrane; Single-pass type I membrane protein

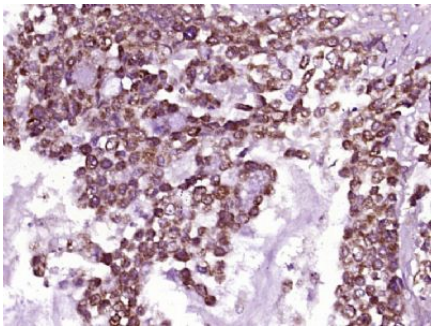
Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-PCDHB10 Polyclonal Antibody, Unconjugated(AP55256) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



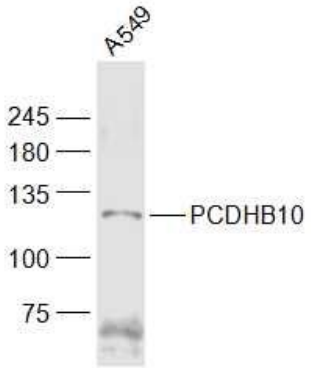
Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-PCDHB10 Polyclonal Antibody, Unconjugated(AP55256) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

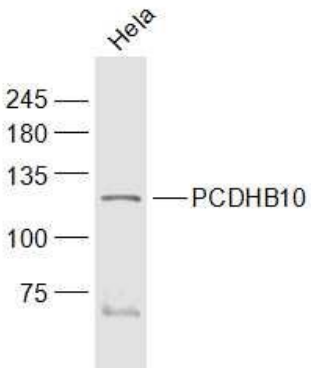


Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCDHB10) Polyclonal Antibody, Unconjugated (AP55256) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Sample:
A549(Human) Cell Lysate at 30 ug
Primary: Anti-PCDHB10 (AP55256) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 84 kD

Observed band size: 112 kD





Sample:
Hela(Human) Cell Lysate at 30 ug
Primary: Anti-PCDHB10 (AP55256) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 84 kD
Observed band size: 112 kD