

PCDH10 Rabbit pAb

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Catalog # AP52333

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9P2E7
Reactivity	Rat, Human
Predicted	Pig, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112936
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDH10
Epitope Specificity	21-120/1040
Isotype	IgG
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.
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 alpha, beta and gamma, all of which contain multiple tandemly arranged genes. PCDH10 (protocadherin 10), also known as PCDH19 or OL-PCDH, is a 1,040 amino acid single-pass type I membrane protein that contains six cadherin domains and one transmembrane domain. Expressed at moderate levels in brain, ovary and testis and present at lower levels in all other tissues, PCDH10 functions as a calcium-dependent cell-adhesion protein that may function as a tumor suppressor. When underexpressed, PCDH10 is associated with the progression of various carcinomas, including gastric cancer.

Additional Information

Gene ID	57575
Other Names	Protocadherin-10, PCDH10, KIAA1400
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	PCDH10
Synonyms	KIAA1400
Function	Potential calcium-dependent cell-adhesion protein.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Moderately expressed in all regions of the brain examined, as well as in testis and ovary, and low expression in all other tissues tested.

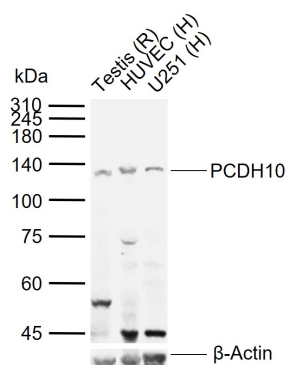
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References

Nagase T.,et al.DNA Res. 7:65-73(2000).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Wolverton T.,et al.Genomics 76:66-72(2001).

Images



Sample:

Lane 1: Rat Testis tissue lysates

Lane 2: Human HUVEC cell lysates

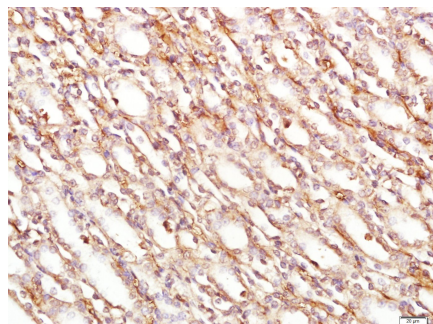
Lane 3: Human U251 cell lysates

Primary: Anti-PCDH10 (AP52333) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 110 kDa

Observed band size: 135 kDa



Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue); 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 (PCDH10) Polyclonal Antibody, Unconjugated (AP52333) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.