



Rabbit Anti-PCDH10 antibody

SL13723R

Product Name:	PCDH10
Chinese Name:	原钙粘附蛋白10抗体
Alias:	DKFZp761O2023; KIAA1400; MGC133344; OL PCDH; Ortholog of OL pcdh; OTTHUMP00000220001; PCD10_HUMAN; PCDH10; PCDH19; Protocadherin 10; Protocadherin-10.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Rat,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	110kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDH10:21-120/1040<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:

Potential calcium-dependent cell-adhesion protein.

Subcellular Location:

Cell membrane.

Tissue Specificity:

Moderately expressed in all regions of the brain examined, as well as in testis and ovary, and low expression in all other tissues tested.

Similarity:

Contains 6 cadherin domains.

SWISS:

Q9P2E7

Gene ID:

57575

Database links:

[Entrez Gene: 57575](#) Human

[Entrez Gene: 531875](#) Cow

[Entrez Gene: 18526](#) Mouse

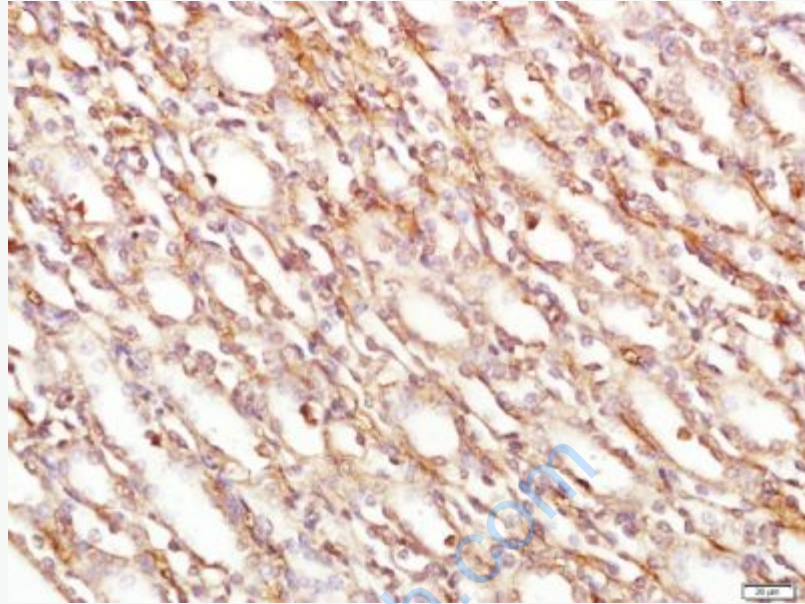
[Omim: 608286](#) Human

[SwissProt: Q9P2E7](#) Human

[Unigene: 192859](#) Human

Important Note:

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



Picture:

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 (SL13723R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.