

AP13331PU-N**Polyclonal Antibody to Claudin-1 / CLDN1 (Loop2) - Purified**

Alternate names:	CLDN1, PRO944, SEMP1, Senescence-associated epithelial membrane protein, UNQ481
Quantity:	0.4 ml
Concentration:	lot specific
Background:	CLDN1, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome.
Uniprot ID:	O95832
NCBI:	9606
GeneID:	9076
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the Loop2 region of human CLDN1.
Format:	State: Liquid purified Ig Purification: Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Claudin 1 (CLDN1). Species: Human, Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
General Readings:	1. Kinugasa,T., Anticancer Res. 27 (6A), 3729-3734 (2007) 2. Paschoud,S., Mod. Pathol. 20 (9), 947-954 (2007) 3. Morohashi,S., Int. J. Mol. Med. 20 (2), 139-143 (2007) 4. Krajewska,M., Prostate 67 (9), 907-910 (2007)

Pictures:

Western blot analysis of anti-hCLDN1-Loop2 Pab in mouse kidney tissue lysates (35ug/lane). CLDN1 (arrow) was detected using the purified Pab (1:60 dilution).

