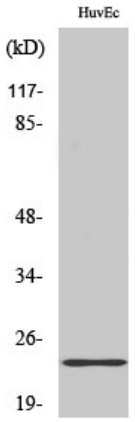
Claudin-3 Polyclonal Antibody

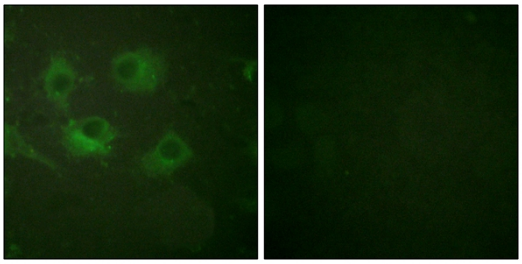
Catalog No	YP-Ab-16957
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CLDN3
Immunogen	The antiserum was produced against synthesized peptide derived from human Claudin 3. AA range:171-220
Specificity	Claudin-3 Polyclonal Antibody detects endogenous levels of Claudin-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLDN3;Claudin3;Claudin-3;CPE R 2;CPE R2;Claudin 3;C7orf1;CPETR2; Clostridium perfringens enterotoxin receptor 2;CPE-R 2;CPE-receptor 2;Rat ventral prostate.1 protein homolog;hRVP1
Observed Band	25kD
Calculated Molecular Weight	25kD
Cell Pathway	Cell junction, tight junction . Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Colon,Salivary gland,
Function	disease:Haploinsufficiency of CLDN3 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS), a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23., function:Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity., similarity:Belongs to the claudin family.,subunit:Can form homo- and heteropolymers with other CLDN. Homopolymers interact with CLDN1 and

	CLDN2 homopolymers. Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ ZO-3.,
Background	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. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

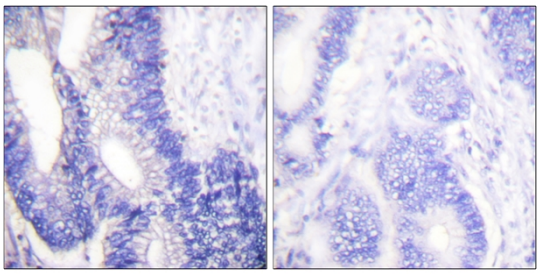
Products Images



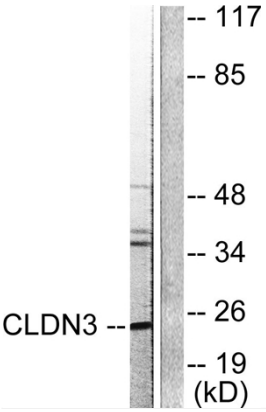
Western Blot analysis of various cells using Claudin-3 Polyclonal Antibody diluted at 1:2000



Immunofluorescence analysis of HUVEC cells, using Claudin 3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using Claudin 3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using Claudin 3 Antibody. The lane on the right is blocked with the synthesized peptide.