Anti-Claudin-7 antibody

Description	Rabbit polyclonal to Claudin-7.

Model	STJ92321
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Claudin-7
Immunogen Region	140-220 aa, C-terminal
Gene ID	1366
Gene Symbol	CLDN7
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Claudin-7 Polyclonal Antibody detects endogenous levels of Claudin-7 protein.
Tissue Specificity	Expressed in kidney, lung and prostate. Isoform 1 seems to be predominant, except in some normal prostate samples, where isoform 2 is the major form. Down-regulated in breast cancers, including ductal carcinoma in situ (DCIS), lobular carcinoma in situ (LCIS) and invasive ductal carcinoma (IDC) (at protein level), as well as in several cancer cell lines. Loss of expression correlates with histological grade, occurring predominantly in high-grade lesions.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Note	For Research Use Only (RUO).
Protein Name	Claudin-7 CLDN-7
Molecular Weight	22 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2049OMIM:609131
Alternative Names	Claudin-7 CLDN-7
Function	Plays a major role in tight junction-specific obliteration of the intercellular space.
Cellular Localization	Cell membrane Basolateral cell membrane Cell junction, tight junction. Co-localizes with EPCAM at the basolateral cell membrane and tight junction.
Post-translational Modifications	Phosphorylated.