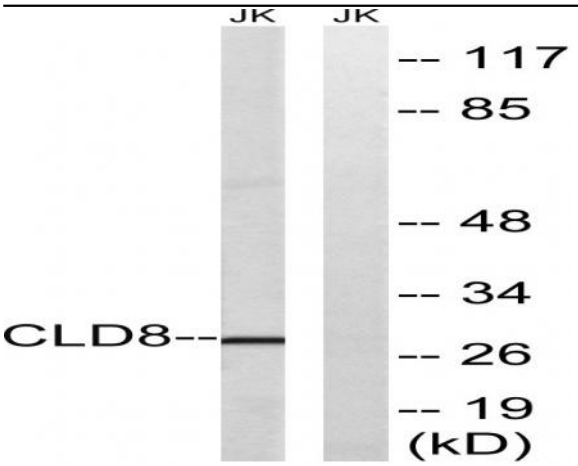
Best Tools for immunology Research

Claudin-8 Polyclonal Antibody

Catalog No :	YT0958
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	Claudin-8
Fields :	>>Cell adhesion molecules;>>Tight junction;>>Leukocyte transendothelial migration;>>Pathogenic Escherichia coli infection;>>Hepatitis C
Gene Name :	CLDN8
Protein Name :	Claudin-8
Human Gene Id :	9073
Human Swiss Prot No :	P56748
Mouse Swiss Prot No :	Q9Z260
Immunogen :	The antiserum was produced against synthesized peptide derived from human CLDN8. AA range:81-130
Specificity :	Claudin-8 Polyclonal Antibody detects endogenous levels of Claudin-8 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band :	28kD
Cell Pathway :	Cell adhesion molecules (CAMs);Tight junction;Leukocyte transendothelial migration;
Background :	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This protein plays important roles in the paracellular cation barrier of the distal renal tubule, and in the paracellular barrier to prevent sodium back-leakage in distal colon. Differential expression of this gene has been observed in colorectal carcinoma and renal cell tumors, and along with claudin-7, is an immunohistochemical marker for the differential diagnosis of chromophobe renal cell carcinoma and renal oncocytoma.[provided by RefSeq, May 2010],
Function :	function:Plays a major role in tight junction-specific obliteration of the intercellular space.,similarity:Belongs to the claudin family.,subcellular location:Localizes to tight junctions in all 3 segments of the epididymis, in the caput found in the lateral margins of principal cells, and in the corpus at the interface between basal and principal cells.,subunit:Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3.,tissue specificity:Expressed in the epididymis, mainly in the caput segment.,
Subcellular Location :	Cell junction, tight junction . Cell membrane ; Multi-pass membrane protein . Localizes to tight junctions in all 3 segments of the epididymis, in the caput found in the lateral margins of principal cells, and in the corpus at the interface between basal and principal cells. .
Expression :	Expressed in the epididymis, mainly in the caput segment.
Sort :	4122
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western blot analysis of lysates from Jurkat cells, using CLDN8 Antibody. The lane on the right is blocked with the synthesized peptide.