Product Name: Claudin 11 Rabbit Polyclonal Antibody
Catalog #: APRab08892

Summary

Production Name	Claudin 11 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CLDN11 OSP OTM
Alternative Names	Claudin-11 (Oligodendrocyte-specific protein)
Gene ID	5010.0
SwissProt ID	O75508.Synthesized peptide derived from human Claudin 11

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:10000-20000
Molecular Weight	20kD

Background

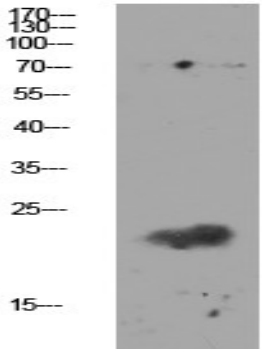
This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through

the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. The protein encoded by this gene is a major component of central nervous system (CNS) myelin and plays an important role in regulating proliferation and migration of oligodendrocytes. Mouse studies showed that the gene deficiency results in deafness and loss of the Sertoli cell epithelial phenotype in the testis. This protein is a tight junction protein at the human blood-testis barrier (BTB), and the BTB disruption is related to a dysfunction of this gene. Alternatively spliced transcript variants encoding different isofunction: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:Interacts with tetraspanin-3/TSPAN3.,

Research Area

Cell adhesion molecules (CAMs);Tight junction;Leukocyte transendothelial migration;

Image Data



Western blot analysis of mouse-kidney lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

Note

For research use only.