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CLDN11 Rabbit pAb

Catalog No.: A2593

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Basic Information

Observed MW
22kDa

Calculated MW
22kDa

Category
Mouse Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human,Mouse

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 isoforms have been identified.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
5010

Swiss Prot
O75508

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 26-207 of human CLDN11 (NP_005593.2).

Synonyms
OSP; OTM; HLD22; CLDN11

Contact

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Product Information

Source
Rabbit

Isotype
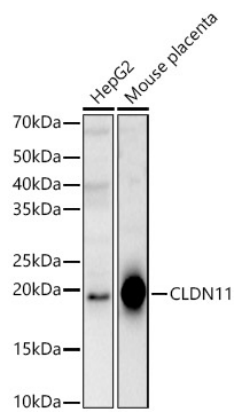IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates, using CLDN11 antibody (A2593) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.