

Basic Information

Product Name	Anti-Claudin 5/CLDN5 Antibody (Clone#AAHA-3)
Gene Name	CLDN5
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Claudin 5
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	23 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Claudin-5 is a protein that in humans is encoded by the CLDN5 gene. 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. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Selected Validation Data

KDa

250 —
150 —
100 —
75 —
50 —
37 —
25 —
20 —
15 —
10 —



Western blot analysis of Claudin 5 expression in human fetal brain lysate.