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CLDN20 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CLDN20.
Catalog # AT1552a

Product Information

Application	E
Primary Accession	P56880
Other Accession	BC020838
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4E7
Calculated MW	23515

Additional Information

Gene ID	49861
Other Names	Claudin-20, CLDN20
Target/Specificity	CLDN20 (AAH20838, 1 a.a. ~ 219 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CLDN20 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

References

The claudins. Lal-Nag M, et al. Genome Biol, 2009. PMID 19706201.Biology of claudins. Angelow S, et al. Am J Physiol Renal Physiol, 2008 Oct. PMID 18480174.Structure and function of claudins. Krause G, et al. Biochim Biophys Acta, 2008 Mar. PMID 18036336.Analysis of the RPE transcriptome reveals dynamic changes during

the development of the outer blood-retinal barrier. Rizzolo LJ, et al. Mol Vis, 2007 Jul 23. PMID 17679949.The claudin gene family: expression in normal and neoplastic tissues. Hewitt KJ, et al. BMC Cancer, 2006 Jul 12. PMID 16836752.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.