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AQP8 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full-length recombinant AQP8.
Catalog # AT1174a

Product Information

Application	WB, IHC
Primary Accession	O94778
Other Accession	BC040630
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1F8
Calculated MW	27381

Additional Information

Gene ID	343
Other Names	Aquaporin-8, AQP-8, AQP8
Target/Specificity	AQP8 (AAH40630, 1 a.a. ~ 255 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500
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	AQP8 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

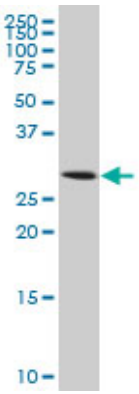
Aquaporin 8 (AQP8) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 8 mRNA is found in pancreas and colon but not other tissues.

References

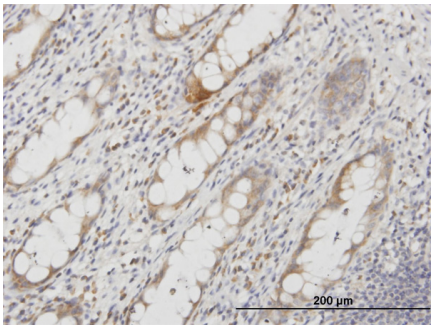
L-type voltage-dependent calcium channel alpha subunit 1C is a novel candidate gene associated with secondary hyperparathyroidism: an application of haplotype-based analysis for multiple linked single nucleotide polymorphisms. Yokoyama K, et al. Nephron Clin Pract, 2010. PMID 20424473.Expression of aquaporin 8 is diversely regulated by osmotic stress in amnion epithelial cells. Qi H, et al. J Obstet Gynaecol

Res, 2009 Dec. PMID 20144166.Knockdown of hepatocyte aquaporin-8 by RNA interference induces defective bile canalicular water transport. Larocca MC, et al. Am J Physiol Gastrointest Liver Physiol, 2009 Jan. PMID 18948439.Cyclic adenosine monophosphate regulation of aquaporin gene expression in human amnion epithelia. Shengbiao Wang, et al. Reprod Sci, 2007 Apr. PMID 17636236.[Expression of aquaporins 1, 3, 8, 9 mRNA in human fetal membranes] Zhang R, et al. Nan Fang Yi Ke Da Xue Xue Bao, 2007 May. PMID 17545093.

Images



AQP8 monoclonal antibody (M03), clone 1F8. Western Blot analysis of AQP8 expression in IMR-32 (Cat # L008V1).



Immunoperoxidase of monoclonal antibody to AQP8 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

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