

AQP8 Antibody (monoclonal) (M03)

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

Catalog # AT1174a

Specification

AQP8 Antibody (monoclonal) (M03) - Product Information

Application	WB, IHC
Primary Accession	O94778
Other Accession	BC040630
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	27381

AQP8 Antibody (monoclonal) (M03) - 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

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.

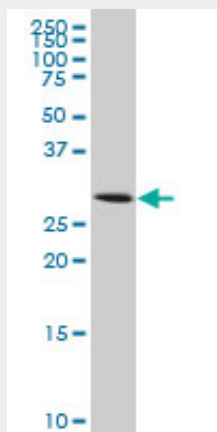
AQP8 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

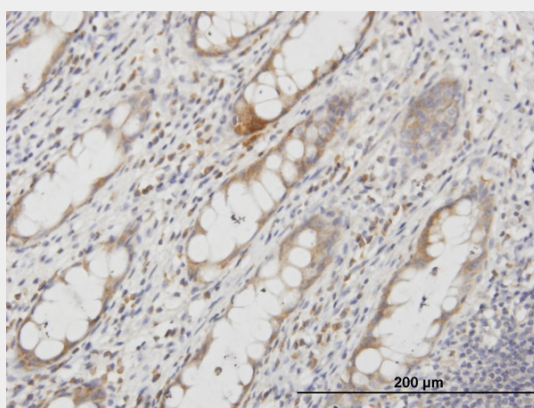
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AQP8 Antibody (monoclonal) (M03) - 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]

AQP8 Antibody (monoclonal) (M03) - 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.

AQP8 Antibody (monoclonal) (M03) - 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.