

GPR3 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant GPR3.****Catalog # AT2248a****Specification**

GPR3 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	P46089
Other Accession	BC032702
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Calculated MW	35010

GPR3 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 2827**Other Names**

G-protein coupled receptor 3, ACCA orphan receptor, GPR3, ACCA

Target/Specificity

GPR3 (AAH32702, 1 a.a. ~ 330 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

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

GPR3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

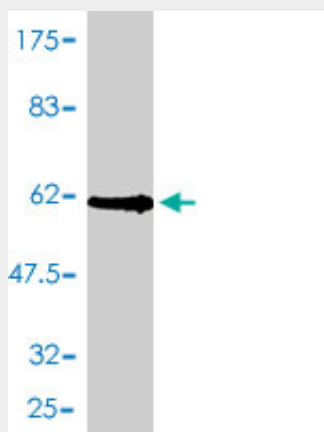
GPR3 Antibody (monoclonal) (M01) - Protocols

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

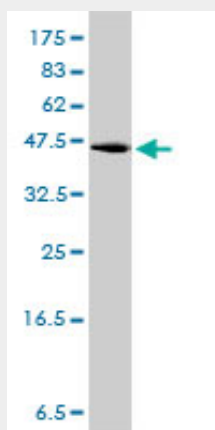
- [Western Blot](#)
- [Blocking Peptides](#)

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

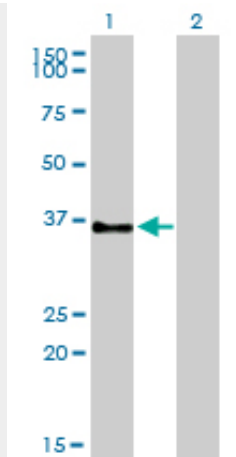
GPR3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (62.04 kDa) .



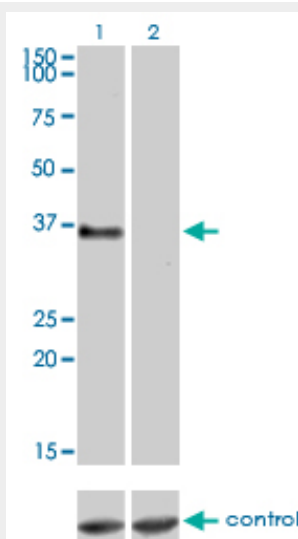
GPR3 monoclonal antibody (M01), clone 3B4-G3 Western Blot analysis of GPR3 expression in Jurkat (Cat # AT2248a)



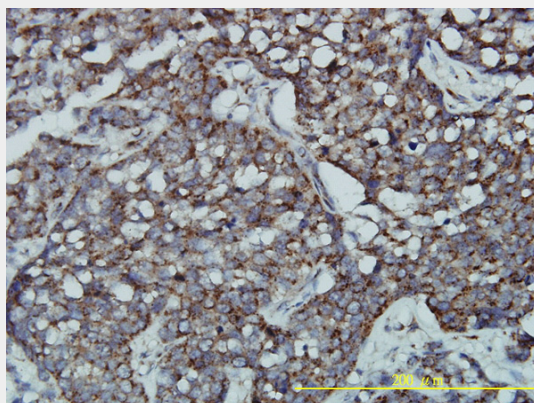
Western Blot analysis of GPR3 expression in transfected 293T cell line by GPR3 monoclonal antibody (M01), clone 3B4-G3.

Lane 1: GPR3 transfected lysate(35 KDa).

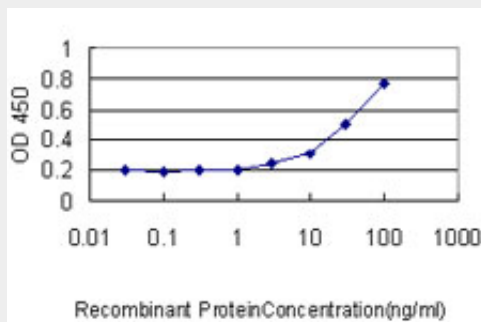
Lane 2: Non-transfected lysate.



Western blot analysis of GPR3 over-expressed 293 cell line, cotransfected with GPR3 Validated Chimera RNAi (Cat # AT2248a)



Immunoperoxidase of monoclonal antibody to GPR3 on formalin-fixed paraffin-embedded human transitional cell carcinoma tissue. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged GPR3 is approximately 0.03ng/ml as a capture antibody.

GPR3 Antibody (monoclonal) (M01) - References

GPR3 may not be a potential candidate gene for premature ovarian failure. Zhou S, et al. *Reprod Biomed Online*, 2010 Jan. PMID 20158988. Oocyte-specific G-protein-coupled receptor 3 (GPR3): no perturbations found in 82 women with premature ovarian failure (first report). Kovanci E, et al. *Fertil Steril*, 2008 Oct. PMID 17953967. The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. *Nature*, 2006 May 18. PMID 16710414. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. *Genome Res*, 2004 Oct. PMID 15489334. Fluid shear stress differentially regulates gpr3, gpr6, and gpr12 expression in human umbilical vein endothelial cells. Uhlenbrock K, et al. *Cell Physiol Biochem*, 2003. PMID 12649592.