

PTGES2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant PTGES2.****Catalog # AT3483a****Specification**

PTGES2 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q9H7Z7
Other Accession	NM_025072
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	41943

PTGES2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 80142**Other Names**

Prostaglandin E synthase 2, Membrane-associated prostaglandin E synthase-2, mPGE synthase-2, Microsomal prostaglandin E synthase 2, mPGES-2, Prostaglandin-H(2) E-isomerase, Prostaglandin E synthase 2 truncated form, PTGES2, C9orf15, PGES2

Target/Specificity

PTGES2 (NP_079348, 270 a.a. ~ 377 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

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

PTGES2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

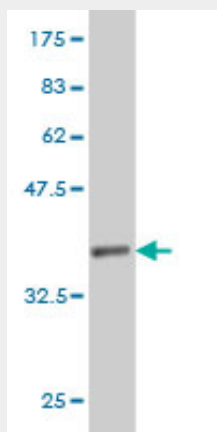
PTGES2 Antibody (monoclonal) (M01) - Protocols

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

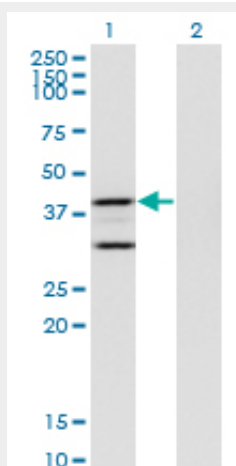
- [Western Blot](#)

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

PTGES2 Antibody (monoclonal) (M01) - Images



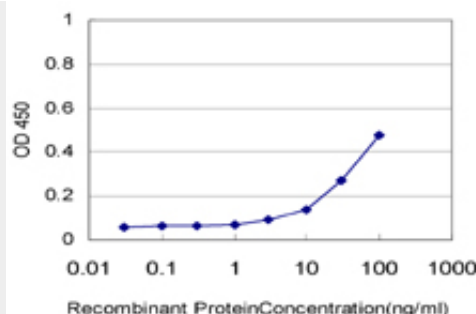
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 KDa) .



Western Blot analysis of PTGES2 expression in transfected 293T cell line by PTGES2 monoclonal antibody (M01), clone 5B7.

Lane 1: PTGES2 transfected lysate (Predicted MW: 41.9 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged PTGES2 is approximately 3ng/ml as a capture antibody.

PTGES2 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H₂ to prostaglandin E₂. This protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE). Multiple transcript variants have been found for this gene.

PTGES2 Antibody (monoclonal) (M01) - References

Microsomal prostaglandin E synthase-2: cellular distribution and expression in Alzheimer's disease. Chaudhry U, et al. *Exp Neurol*, 2010 Jun. PMID 19664621. Microsomal prostaglandin E synthase protein levels correlate with prognosis in colorectal cancer patients. Seo T, et al. *Virchows Arch*, 2009 Jun. PMID 19412621. Association analysis between the prostaglandin E synthase 2 R298H polymorphism and body mass index in 8079 participants of the KORA study cohort. Fischer A, et al. *Genet Test Mol Biomarkers*, 2009 Apr. PMID 19371221. The terminal prostaglandin synthases mPGES-1, mPGES-2, and cPGES are all overexpressed in human gliomas. Mattila S, et al. *Neuropathology*, 2009 Apr. PMID 19347995. Determination of genetic predisposition to patent ductus arteriosus in preterm infants. Dagle JM, et al. *Pediatrics*, 2009 Apr. PMID 19336370.