

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

Format

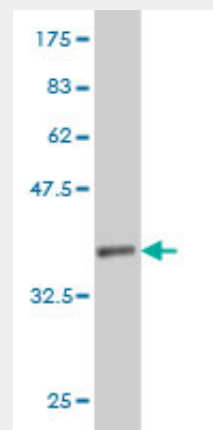
Clear, colorless solution in phosphate
buffered saline, pH 7.2 .

Storage

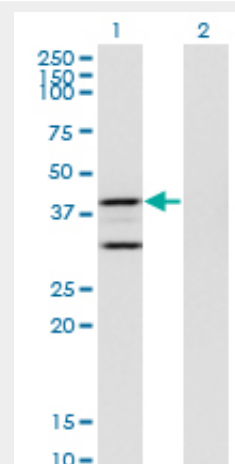
Store at -20°C or lower. Aliquot to avoid
repeated freezing and thawing.

Precautions

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



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.

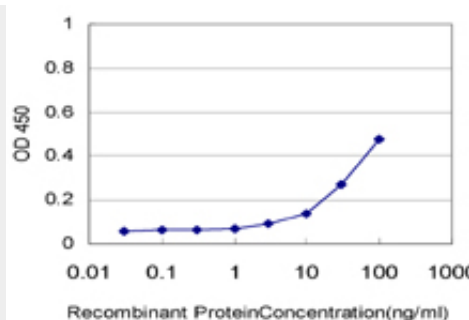
Lane 1: PTGES2 transfected lysate (Predicted
MW: 41.9 KDa).

Lane 2: Non-transfected lysate.

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](#)



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.