10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PCGF2 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant PCGF2.
Catalog # AT3232a

Specification

PCGF2 Antibody (monoclonal) (M05) - Product Information

Application	**WB**
Primary Accession	P35227
Other Accession	BC004858
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**37788**

PCGF2 Antibody (monoclonal) (M05) - Additional Information

Gene ID 7703

Other Names
Polycomb group RING finger protein 2, DNA-binding protein Mel-18, RING finger protein 110, Zinc finger protein 144, PCGF2, MEL18, RNF110, ZNF144

Target/Specificity
PCGF2 (AAH04858.1, 236 a.a. ~ 294 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
PCGF2 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

PCGF2 Antibody (monoclonal) (M05) - Protocols

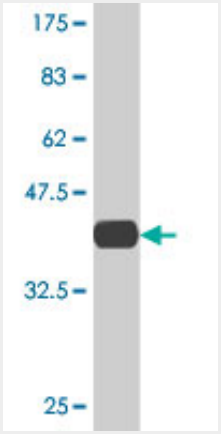
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

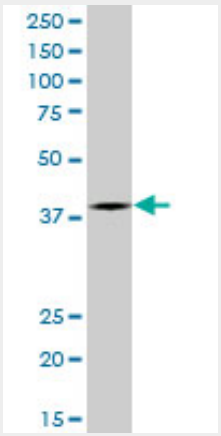
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PCGF2 Antibody (monoclonal) (M05) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.23 KDa) .



PCGF2 monoclonal antibody (M05), clone 2D6. Western Blot analysis of PCGF2 expression in human placenta.

PCGF2 Antibody (monoclonal) (M05) - Background

The protein encoded by this gene contains a RING finger motif and is similar to the polycomb group (PcG) gene products. PcG gene products form complexes via protein-protein interaction and maintain the transcription repression of genes involved in embryogenesis, cell cycles, and tumorigenesis. This protein was shown to act as a negative regulator of transcription and has tumor suppressor activity. The expression of this gene was detected in various tumor cells, but is limited in neural organs in normal tissues. Knockout studies in mice suggested that this protein may negatively regulate the expression of different cytokines, chemokines, and chemokine receptors, and thus plays an important role in lymphocyte differentiation and migration, as well as in immune responses.

PCGF2 Antibody (monoclonal) (M05) - References

BMI1 and Mel-18 oppositely regulate carcinogenesis and progression of gastric cancer. Zhang XW, et al. Mol Cancer, 2010 Feb 21. PMID 20170541.The novel tumor-suppressor Mel-18 in prostate cancer: its functional polymorphism, expression and clinical significance. Wang W, et al. Int J Cancer, 2009 Dec 15. PMID 19585577.Mel-18 interacts with RanGAP1 and inhibits its sumoylation. Zhang J, et al. Biochem Biophys Res Commun, 2008 Oct 17. PMID 18706886.A phosphorylated form of Mel-18 targets the Ring1B histone H2A ubiquitin ligase to chromatin. Elderkin S, et al. Mol Cell, 2007 Oct 12. PMID 17936708.Violating the splicing rules: TG dinucleotides function as alternative 3' splice sites in U2-dependent introns. Szafranski K, et al. Genome Biol, 2007. PMID 17672918.