

Mouse Aciculin/Phosphoglucomutase 5 (PGM5) Monoclonal Antibody | anti-PGM5 antibody

Aciculin/Phosphoglucomutase 5 (PGM5)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215380	Mouse	Human, Cow, Mouse, Rat, Rabbit Predicted to react with Porcine, Avian, Frog	Western Blot, Immunohistochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

Aciculin/Phosphoglucomutase 5 (PGM5); Monoclonal Antibody; Aciculin; PGM-RP; PGM5; PGMRP; phosphoglucomutase 5; Phosphoglucomutase-like protein 5; Phosphoglucomutase-related protein; anti-PGM5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Cow, Mouse, Rat, Rabbit Predicted to react with Porcine, Avian, Frog
Clonality	Monoclonal
Isotype	Ig1c, kappa
Clone Number	14F8/F8
Specificity	Aciculin, also known as PGM5 (phosphoglucomutase 5) or PGMRP, is a 567 amino acid protein that belongs to the phosphoglucomutase family of phosphotransferases, which play an important role in the interconversion of glucose-1-phosphate and glucose-6-phosphate. Localized to the cell junction and expressed at high levels in smooth and cardiac muscle, Aciculin binds magnesium as a cofactor and interacts with dystrophin and utrophin, possibly playing a role in cytoskeletal organization and function. Aciculin exists as two alternatively spliced isoforms and is encoded by a gene that maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	219
Applicable Applications for anti-PGM5 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Immunogen	Cytoskeletal fraction of the Human myometrium tissue extract
Cellular Localization	Cytoplasm
Hu-chromosome Location	9q21.11
Positive Control	Human heart muscle or Smooth muscle (IHC). Mouse heart tissue lysate (WB).
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE

SDS-PAGE Analysis Purified Aciculin Mouse Monoclonal Antibody (14F8/F8). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human uterus stained with Aciculin Mouse Monoclonal Antibody (14F8/F8).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human bladder stained with Aciculin Mouse Monoclonal Antibody (14F8/F8).

ADDITIONAL INFORMATION

References	Belkin, A.M. and Burrige, K. 1994. Expression and localization of the phosphoglucomutase-related cytoskeletal protein, Aciculin, in skeletal muscle. J. Cell Sci. 107: 1993-2003.
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	119582864
NCBI GeneID	5239
UniProt Accession #	Q15124
Molecular Weight	56kDa
NCBI Official Full Name	phosphoglucomutase 5, partial
NCBI Official Synonym Full Names	phosphoglucomutase 5
NCBI Official Symbol	PGM5
NCBI Official Synonym Symbols	PGMRP
NCBI Protein Information	phosphoglucomutase-like protein 5
UniProt Protein Name	Phosphoglucomutase-like protein 5
UniProt Gene Name	PGM5
UniProt Synonym Gene Names	PGMRP; PGM-RP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/aciculin-phosphoglucomutase-5-pgm5-antibody-clone-14f8-f8-western-blot-immunohistochemistry-immunofluorescence-elisa/215380>