

Recombinant Aciculin / Phosphoglucomutase 5 (PGM5) Antibody

Mouse Monoclonal Antibody [Clone rPGM5/7164]

Catalog No	Format	Size
5239-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5239-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5239-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

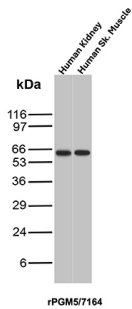
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

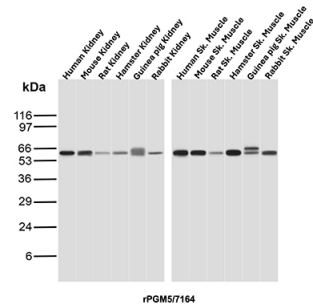
Clone	rPGM5/7164
Gene Name	PGM5
Immunogen	Recombinant full-length human PGM5 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	56kDa
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Cytoplasm, Cytoskeleton, Sarcolemma
Species Reactivity	Human
Positive Control	Human heart muscle or smooth muscle (IHC). Mouse heart tissue lysate (WB). Kidney or Skeletal muscle.

*Optimal dilution for a specific application should be determined.

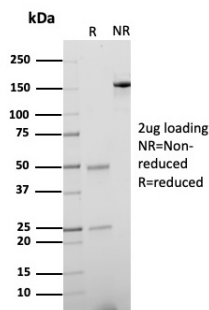
Product Images for Recombinant Aciculin / Phosphoglucomutase 5 (PGM5) Antibody



Western Blot Analysis of Human Kidney and Human Skeletal muscle tissue lysates using Aciculin Mouse Recombinant Monoclonal Antibody (rPGM5/7164).



Western Blot Analysis of Kidney and Skeletal muscle tissue lysates of different species using Aciculin Mouse Recombinant Monoclonal Antibody (rPGM5/7164).



SDS-PAGE Analysis of Purified Phosphoglucomutase-like protein 5 Recombinant Mouse Monoclonal Antibody (rPGM5/7164). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.