

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). |

*Optimal dilution for a specific application should be determined.

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

Specificity & Comments

Aciculin, also known as PGM5 (phosphoglucomutase 5) or PGM5P, 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.

Supplied As

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.

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.

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.