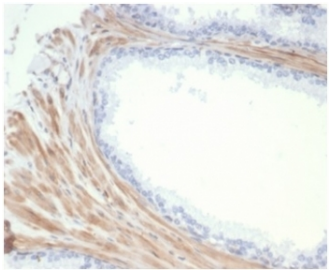
Recombinant Aciculin Antibody / Phosphoglucomutase 5 / PGM5 [clone PGM5/7005R] (V9416)

Catalog No.	Formulation	Size
V9416-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9416-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9416SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

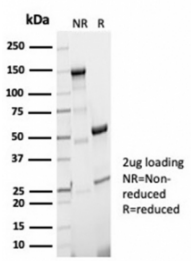
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	PGM5/7005R
Purity	Protein A/G affinity
UniProt	Q15124
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 2-4ug/ml
Limitations	This recombinant Aciculin antibody is available for research use only.



IHC staining of FFPE human prostate tissue with recombinant Aciculin antibody (clone PGM5/7005R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Aciculin antibody (clone PGM5/7005R) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the recombinant Aciculin antibody should be determined by the researcher.

Immunogen

Cytoskeletal fraction of the human myometrium tissue extract was used as the immunogen for the recombinant Aciculin antibody.

Storage

Aliquot the recombinant Aciculin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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