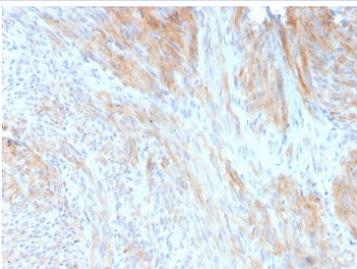


Aciculin Antibody / PGM5 / Phosphoglucomutase 5 [clone 14F8/F8] (V8411)

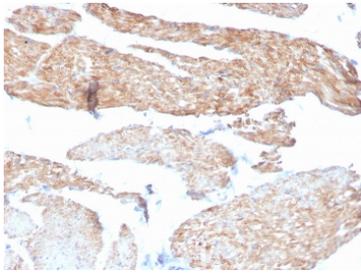
Catalog No.	Formulation	Size
V8411-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8411-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8411SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

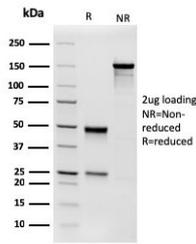
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	14F8/F8
Purity	Protein G affinity chromatography
UniProt	Q15124
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This Aciculin antibody is available for research use only.



IHC staining of FFPE human uterus with Aciculin antibody (clone 14F8/F8). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human bladder with Aciculin antibody (clone 14F8/F8). 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 Aciculin antibody (clone 14F8/F8) 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 Aciculin antibody should be determined by the researcher.

Immunogen

The cytoskeletal fraction of the human myometrium tissue extract was used as the immunogen for the Aciculin antibody.

Storage

Store the Aciculin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).