

ITGB1BP3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2791a**Specification**

ITGB1BP3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9NPI5](#)**ITGB1BP3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 27231**Other Names**

Nicotinamide riboside kinase 2, NRK 2, NmR-K 2, Integrin beta-1-binding protein 3, Muscle integrin-binding protein, MIBP, Nicotinic acid riboside kinase 2, Ribosylnicotinamide kinase 2, RNK 2, Ribosylnicotinic acid kinase 2, NMRK2, ITGB1BP3, NRK2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2791a](/products/AP2791a) was selected from the N-term region of human ITGB1BP3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ITGB1BP3 Antibody (N-term) Blocking Peptide - Protein Information**Name** NMRK2**Synonyms** ITGB1BP3, NRK2**Function**

Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). Reduces laminin matrix deposition and cell adhesion to laminin, but not to fibronectin. Involved in the regulation of PXN at the protein level and of PXN tyrosine phosphorylation. May play a role in the regulation of terminal myogenesis.

Tissue Location

Predominantly expressed in skeletal muscle and, at a much lower level, in the heart (at protein

level). No expression in brain, kidney, liver, lung, pancreas nor placenta

ITGB1BP3 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ITGB1BP3 Antibody (N-term) Blocking Peptide - Images

ITGB1BP3 Antibody (N-term) Blocking Peptide - Background

ITGB1BP3 catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). The protein reduces laminin matrix deposition and cell adhesion to laminin, but not to fibronectin. It is involved in the regulation of PXN at the protein level and of PXN tyrosine phosphorylation and may play a role in the regulation of terminal myogenesis.

ITGB1BP3 Antibody (N-term) Blocking Peptide - References

Bieganowski,P., Cell 117 (4), 495-502 (2004) Li,J., J. Cell Biol. 147 (7), 1391-1398 (1999)