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ITGB1BP3 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2791a

Specification

ITGB1BP3 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9NPI5
Other Accession	Q9D7C9
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**26046**
Antigen Region	**27-55**

ITGB1BP3 Antibody (N-term) - 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
This ITGB1BP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-55 amino acids from the N-terminal region of human ITGB1BP3.

Dilution
WB~~1:1000
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ITGB1BP3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ITGB1BP3 Antibody (N-term) - Protein Information

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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.

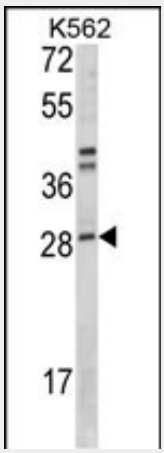
Tissue Location
Predominantly expressed in skeletal muscle and, at a much lower level, in the heart (at protein level). No expression in brain, kidney, liver, lung, pancreas nor placenta

ITGB1BP3 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ITGB1BP3 Antibody (N-term) - Images



Western blot analysis of ITGB1BP3 Antibody (N-term) (Cat. #AP2791a) in K562 cell line lysates (35ug/lane). ITGB1BP3 (arrow) was detected using the purified Pab.

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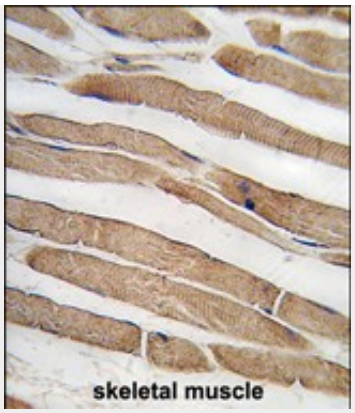

Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with ITGB1BP3 antibody (N-term) (Cat.#AP2791a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ITGB1BP3 Antibody (N-term) - 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) - References

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