

Product Datasheet

AMPK beta 1 Antibody - BSA Free NBP1-87487

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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Updated 12/2/2025 v.20.1

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NBP1-87487

AMPK beta 1 Antibody - BSA Free

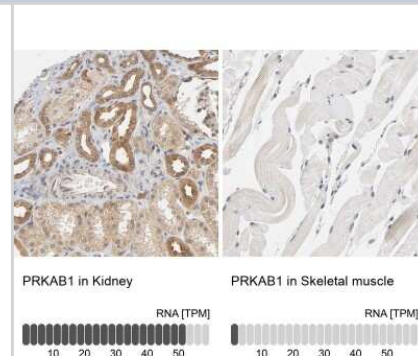
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit AMPK beta 1 Antibody - BSA Free (NBP1-87487) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-AMPK beta 1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5564
Gene Symbol	PRKAB1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MGNTSSERAALERHGGHKTPRRDSSGGTKDGRPKILMDSPEDADLFHSEEIK APEKEEFLAWQHDLEVNDKAPAQARPTVFRWTGGGKEVYLSGSFNNW

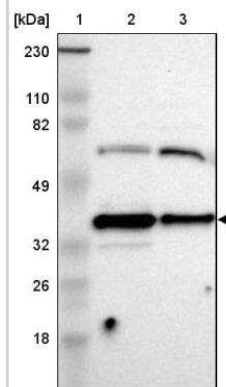
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

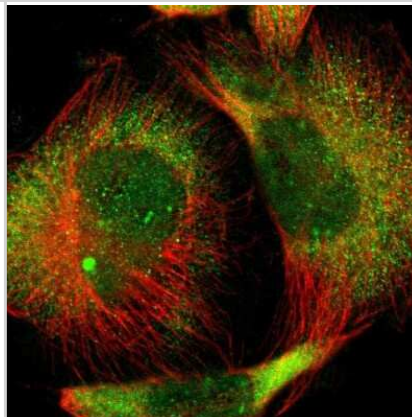
Immunohistochemistry-Paraffin: AMPK beta 1 Antibody [NBP1-87487] - Staining in human kidney and skeletal muscle tissues.. Corresponding PRKAB1 RNA-seq data are presented for the same tissues.



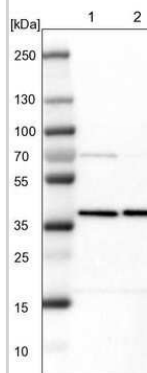
Western Blot: AMPK beta 1 Antibody [NBP1-87487] - Lane 1: Marker [kDa] 230, 110, 82, 49, 32, 26, 18. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp



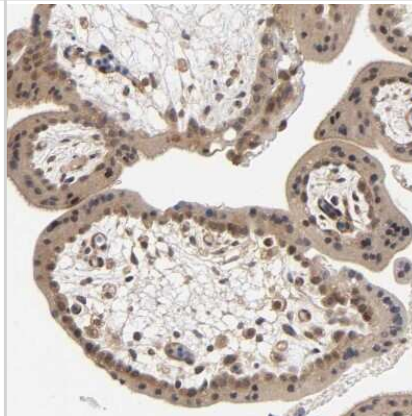
Immunocytochemistry/Immunofluorescence: AMPK beta 1 Antibody [NBP1-87487] - Staining of human cell line U-251 MG shows localization to nucleoplasm and cytosol. Antibody staining is shown in green.



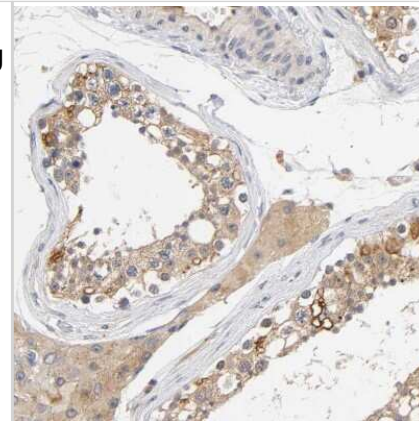
Western Blot: AMPK beta 1 Antibody [NBP1-87487] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



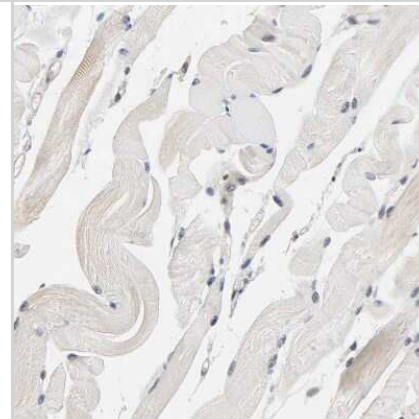
Immunohistochemistry-Paraffin: AMPK beta 1 Antibody [NBP1-87487] - Staining of human placenta shows moderate to strong cytoplasmic positivity in trophoblastic cells.



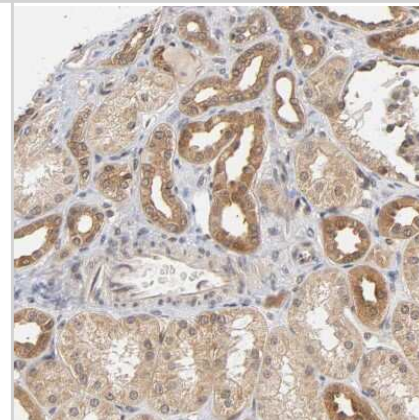
Immunohistochemistry-Paraffin: AMPK beta 1 Antibody [NBP1-87487] - Staining of human testis shows moderate cytoplasmic positivity in Leydig cells.



Immunohistochemistry-Paraffin: AMPK beta 1 Antibody [NBP1-87487] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: AMPK beta 1 Antibody [NBP1-87487] - Staining of human kidney shows moderate to strong cytoplasmic positivity in cells in tubules.



Publications

A Pandey, SL Ding, QM Qin, R Gupta, G Gomez, F Lin, X Feng, L Fachini da, SP Chaki, M Katepalli, ED Case, EJ van Schaik, T Sidiq, O Khalaf, A Arenas, KS Kobayashi, JE Samuel, GM Rivera, RC Alaniz, SH Sze, X Qian, WJ Brown, A Rice-Ficht, WK Russell, TA Ficht, P de Figueir Global Reprogramming of Host Kinase Signaling in Response to Fungal Infection Cell Host Microbe, 2017-05-10;21(5):637-649.e6. 2017-05-10 [PMID: 28494245]

Ding S, Pandey A, Feng X et al. Interactions between fungal hyaluronic acid and host CD44 promotes internalization by recruiting host autophagy proteins to forming phagosomes iScience 2021-03-15 [PMID: 33718841]



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Products Related to NBP1-87487

NBP1-87487PEP	AMPK beta 1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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