

Product Datasheet

AMPK alpha 1 [p Thr172] Antibody NBP1-74502

Unit Size: 0.1 mg

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

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NBP1-74502**AMPK alpha 1 [p Thr172] Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Purity	Immunogen affinity purified
Buffer	Sterile TBS (pH 7.2) with antibody stabilizer
Target Molecular Weight	63 kDa

Product Description	
Host	Rabbit
Gene ID	5562
Gene Symbol	PRKAA1
Species	Human, Mouse, Rat, Bovine, Canine, Chicken, Insect
Specificity/Sensitivity	This antibody recognizes AMPK alpha with a phosphorylated site of Thr 172. It does not cross-react with non-phosphospecific peptide.
Immunogen	A synthetic peptide surrounding to the epitope -LRTSC- with a phosphorylation site at Thr 172 of AMPK alpha 1 protein from human origin. It is identical among human, mouse, rat, chicken, bovine, dog, and insect species.

Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 0.1-1 ug/ml, ELISA 0.01-0.1 ug/ml, Immunoprecipitation 2-5 ug/ml

Publications

Harun-Or-Rashid M, Pappenhagen N, Zubricky R et al. MCT2 overexpression rescues metabolic vulnerability and protects retinal ganglion cells in two models of glaucoma *Neurobiol. Dis.* 2020-05-15 [PMID: 32422282] (WB, Mouse)

Allen SA, Datta S, Sandoval J et al. Cetylpyridinium chloride is a potent AMP-activated kinase (AMPK) inducer and has therapeutic potential in cancer *Mitochondrion* 2019-10-22 [PMID: 31654752] (Mouse)

Harun-Or-Rashid M, Inman DM. Reduced AMPK activation and increased HCAR activation drive anti-inflammatory response and neuroprotection in glaucoma. *J Neuroinflammation.* 2018-11-13 [PMID: 30424795] (WB, Mouse)

Pesi R, Petrotto E, Colombaioni L et al. Cytosolic 5'-Nucleotidase II Silencing in a Human Lung Carcinoma Cell Line Opposes Cancer Phenotype with a Concomitant Increase in p53 Phosphorylation *Int J Mol Sci* 2018-07-20 [PMID: 30037008] (WB, Human)





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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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