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Datasheet for ABIN6262730 anti-Adenylate Kinase 1 antibody (Internal Region)





Overview

Quantity:	100 µL
Target:	Adenylate Kinase 1 (AK1)
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human AK1, corresponding to a region within the internal amino acids.
Isotype:	lgG
Specificity:	AK1 Antibody detects endogenous levels of total AK1.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:

Adenylate Kinase 1 (AK1)

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Target Details

Alternative Name:	AK1 (AK1 Products)
Background:	Description: Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Also displays broad nucleoside diphosphate kinase activity. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism. Gene: AK1
Molecular Weight:	21kDa
Gene ID:	203
UniProt:	P00568
Pathways:	Nucleotide Phosphorylation, Ribonucleoside Biosynthetic Process

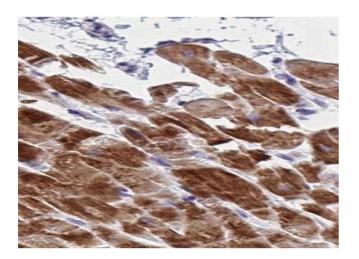
Application Details

Application Notes:	IHC 1:50-1:200, IF/ICC 1:100-1:500, WB 1:500-1:2000, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

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Immunohistochemistry

Image 1. ABIN6266734 at 1/100 staining human skeletal muscle tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

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