

Anti-AK1 antibody

Cat. No.	ml120202
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-AK1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human AK1
Reactivity	Human, Mouse, Rat
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	AK1
Full name	adenylate kinase 1
Synonyms	HTL-S-58j
Swissprot	P00568

Target Background

Adenylate kinase is an enzyme involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate group among adinine nucleotides. Three isozymes of adenylate kinase have been identified in vertebrates, adenylate isozyme 1 (AK1), 2 (AK2) and 3 (AK3). AK1 is found in the cytosol of skeletal muscle, brain and erythrocytes, whereas AK2 and AK3 are found in the mitochondria of other tissues including liver and heart. AK1 was identified because of its association with a rare genetic disorder causing nonspherocytic hemolytic anemia where a mutation in the AK1 gene was found to reduce the catalytic activity of the enzyme.

订购热线: 4008-898-798

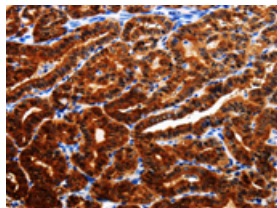
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100

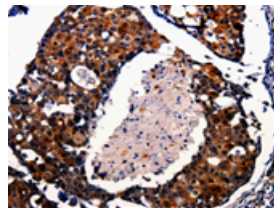


The image is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml120202(AK1 Antibody) at dilution 1/25. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm

Positive control: Human breast cancer

Recommended dilution: 25-100



The image is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml120202(AK1 Antibody) at dilution 1/25. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 22 kDa

Positive control: HT-29 cells

Recommended dilution: 500-1000

Gel: 10% SDS-PAGE

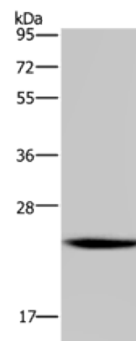
Lysate: 30 μ g

Lane: HT29 cells

Primary antibody: ml120202(AK1 Antibody) at dilution 1/400

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 2min



ELISA

Recommended dilution: 2000-5000

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