

Datasheet for ABIN392741

anti-Adenylate Kinase 2 antibody (N-Term)

3 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	Adenylate Kinase 2 (AK2)
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This AK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human AK2.
Clone:	RB3893
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Adenylate Kinase 2 (AK2)
Alternative Name:	AK2 (AK2 Products)
Background:	Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by

Target Details

catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis.

Molecular Weight: 26478

Gene ID: 204

NCBI Accession: [NP_001186128](#), [NP_001616](#), [NP_037543](#)

UniProt: [P54819](#)

Pathways: [Nucleotide Phosphorylation](#), [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

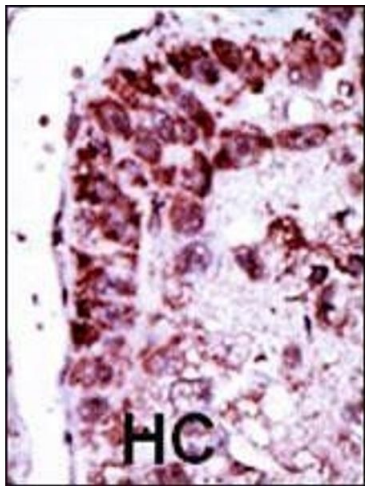
Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

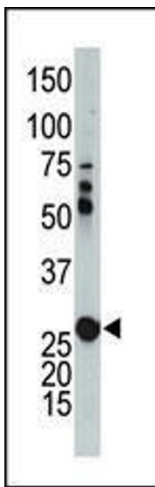
Publications

Product cited in: Surowiec, Battle, Ward, Schlecht, Khoury, Robbins, Wojtys, Caird, Kozloff: "A xenograft model to evaluate the bone forming effects of sclerostin antibody in human bone derived from pediatric osteogenesis imperfecta patients." in: **Bone**, Vol. 130, pp. 115118, (2020) ([PubMed](#)).



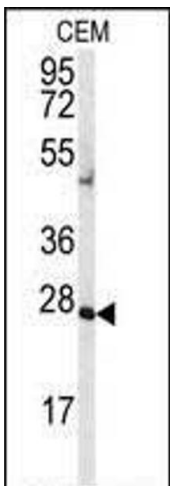
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. The anti-AK2 Pab (ABIN392741 and ABIN2842198) is used in Western blot to detect AK2 in mouse kidney tissue lysate.



Western Blotting

Image 3. Western blot analysis of anti-AK2 Antibody (N-term) (ABIN392741 and ABIN2842198) in CEM cell line lysates (35 µg/lane). AK2(arrow) was detected using the purified Pab.