

Recombinant AK2/Adenylate kinase 2 Monoclonal Antibody

catalog number: AN300118P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

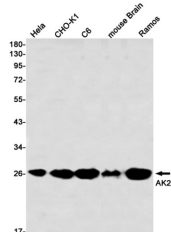
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human AK2 / Adenylate kinase 2 Protein
Host	Rabbit
Isotype	IgG
Clone	A1232
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

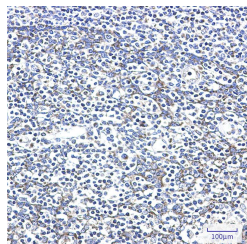
WB: 1:1000-1:5000; IHC-P: 1:100-1:200; ICC/IF: 1:200-1:500; IP: 1:10-1:100

Data

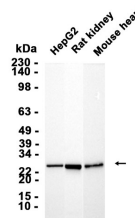


Western blot detection of AK2 in HeLa, CHO-K1, C6, mouse Brain, Ramos using AK2 antibody (1:1000 diluted)

Observed-MW:27 kDa
Calculated-MW:27 kDa

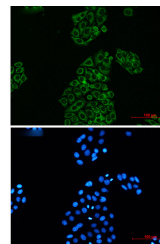


Immunohistochemical analysis of paraffin-embedded human tonsil .



Western blot analysis of extracts from HepG2 cells and Rat kidney, Mouse heart tissue at 1:1000.

Observed-MW:27 kDa
Calculated-MW:27 kDa



Immunofluorescent analysis of HeLa cells (green), and DAPI (blue).

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes isozyme 2. 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. Mutations in this gene are the cause of reticular dysgenesis. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1 and 2.[provided by RefSeq, Nov 2010]