

AK2 RABBIT PAB

Cat.#: S217129

Product Name: Anti-AK2 Rabbit Polyclonal Antibody

Synonyms: ADK2; AK 2

UNIPROT ID: P54819 (Gene Accession - BC009405)

Background: 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.

Immunogen: Fusion protein of human AK2

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 500-2000;ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

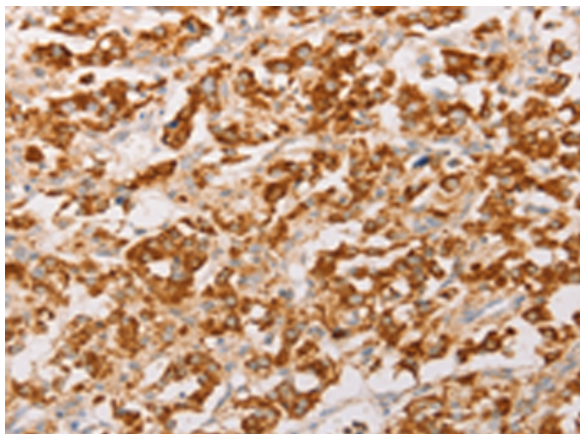
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

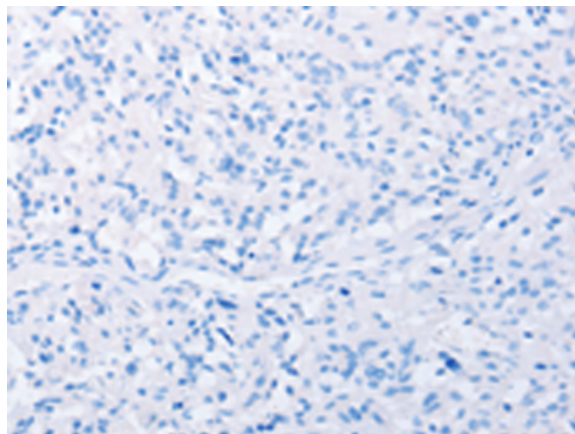
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cancer

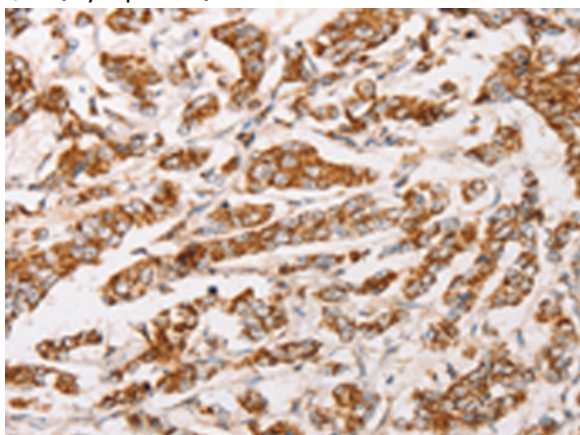
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



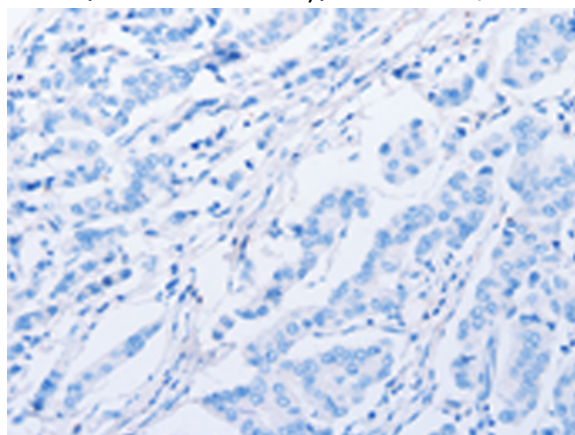
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 217129(AK2 Antibody) at a dilution of 1/30(Cytoplasm).



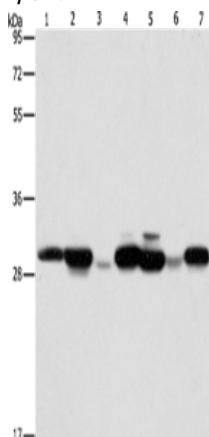
In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 217129(Anti-AK2 Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 217129(Anti-AK2 Antibody) at a dilution of 1/30.



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with fusion protein and then with D221850(Anti-AK2 Antibody) at dilution 1/30.



Gel: 10%SDS-PAGE, Lysate: 40 µg;
Lane 1-7: Human placenta tissue, A549 cells,
mouse brain tissue, hepG2 cells, Raji cells, human
fetal liver tissue, hela cells;
Primary antibody: 217129(AK2 Antibody) at dilution
1/250;
Secondary antibody: Goat anti rabbit IgG at 1/8000
dilution;
Exposure time: 20 seconds

