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Product datasheet for TA349614S

AK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human placenta tissue and A549 cells, mouse brain tissue and hepG2 cells, Raji cells and human fetal liver tissue, hela cells IHC: 50-200 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human AK2
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26 kDa
Gene Name:	adenylate kinase 2
Database Link:	NP_037543 Entrez Gene 11637 MouseEntrez Gene 24184 RatEntrez Gene 204 Human P54819

View online »

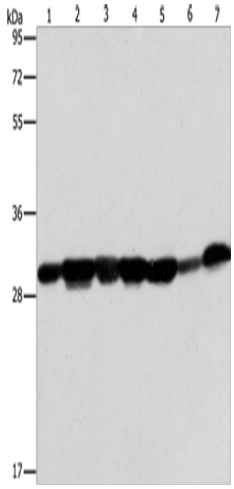
Background: Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes 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.

Synonyms: ADK2; AK 2

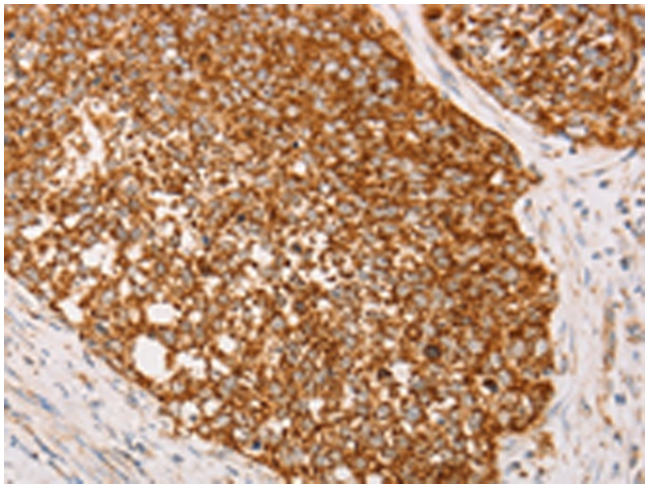
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism

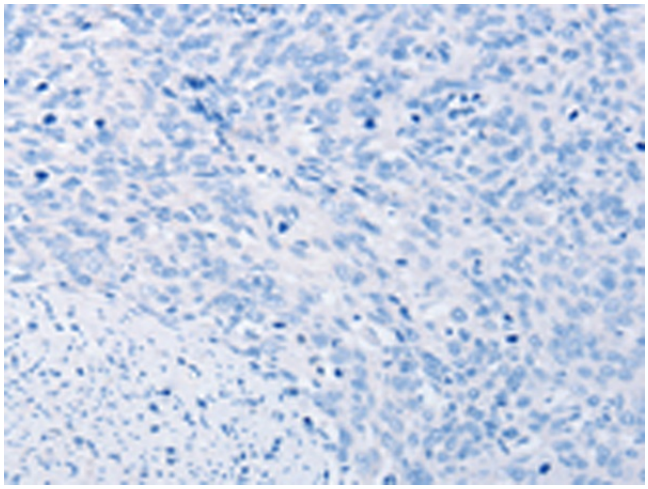
Product images:



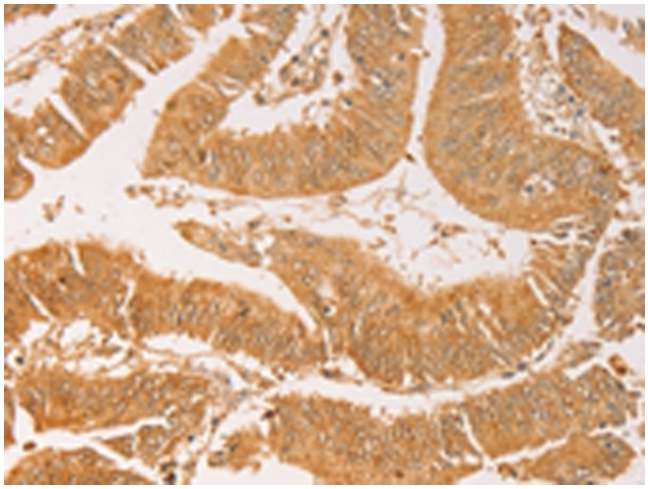
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane 1-7: Human placenta tissue
A549 cells
mouse brain tissue
hepG2 cells
Raji cells
human fetal liver tissue
hela cells
Primary antibody: [TA349614] (AK2 Antibody) at dilution 1/300
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



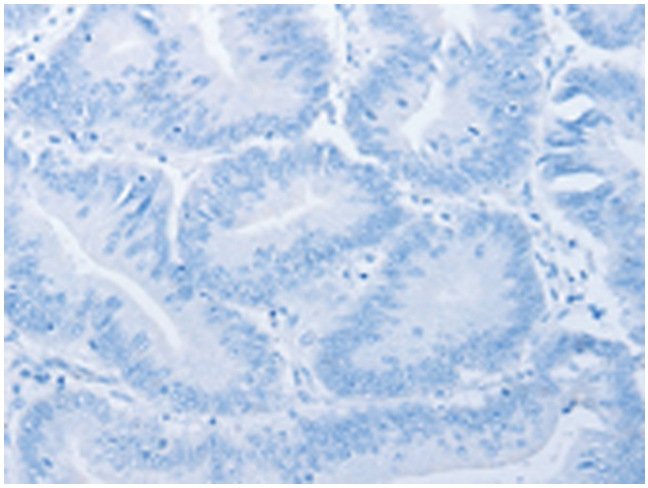
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA349614] (AK2 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA349614] (AK2 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA349614] (AK2 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA349614] (AK2 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)