

## Rabbit anti-Human AK4 Polyclonal Antibody | anti-AK4 antibody

AK4 antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                           |
|-----------|--------|------------|--------------------------------------------------------|
| AAA300953 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

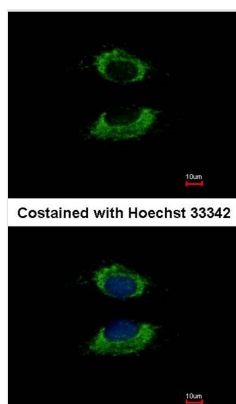
### PRODUCT SYNONYMS

AK4; Polyclonal Antibody; AK4 antibody; anti-AK4 antibody

### PRODUCT SPECIFICATIONS

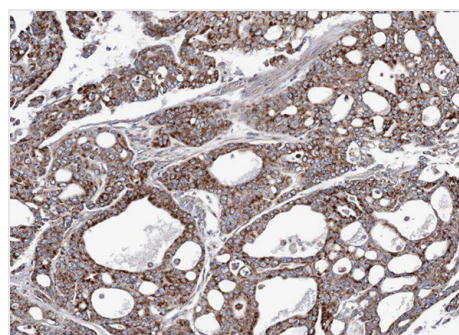
|                                               |                                                                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                |
| Reactivity                                    | Human                                                                                                                 |
| Clonality                                     | Polyclonal                                                                                                            |
| Purity/Purification                           | Purified by antigen-affinity chromatography.                                                                          |
| Form/Format                                   | Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.        |
| Sequence Length                               | 223                                                                                                                   |
| Applicable Applications for anti-AK4 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                |
| Immunogen Type                                | Recombinant protein                                                                                                   |
| Immunogen Description                         | Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 219 of Human AK3L1 |
| Target Name                                   | AK4                                                                                                                   |
| Preparation and Storage                       | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.               |

### IMAGES



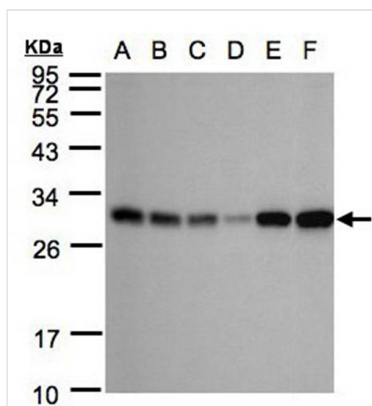
#### IF (Immunofluorescence)

Immunofluorescence analysis of methanol-fixed HeLa, using Adenylate kinase 3 antibody at 1: 100 dilution.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded gastric cancer N87 xenograft, using AK3L1 antibody at 1: 100 dilution.



#### Application Data

Sample(30 ug whole cell lysate)A: 293TB: A431 C: H1299D: HeLa S3 E: Hep G2 F: Raji 12%  
SDS PAGEPrimary antibody diluted at 1: 1000

## ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AK4 antibody | This gene encodes a member of the adenylate kinase family of enzymes. The encoded protein is localized to the mitochondrial matrix. Adenylate kinases regulate the adenine and guanine nucleotide compositions within a cell by catalyzing the reversible transfer of phosphate group among these nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. A pseudogene for this gene has been located on chromosome 17. Three transcript variants encoding the same protein have been identified for this gene. Sequence alignment suggests that the gene defined by NM_013410, NM_203464, and NM_001005353 is located on chromosome 1. [provided by RefSeq] |
| Product Categories/Family for anti-AK4 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## NCBI AND UNIPROT INFORMATION

|                                  |                                   |
|----------------------------------|-----------------------------------|
| NCBI GI #                        | 53832003                          |
| NCBI GeneID                      | 205                               |
| NCBI Accession #                 | NP_001005353                      |
| NCBI GenBank Nucleotide #        | NM_001005353.2                    |
| Molecular Weight                 | 25,268 Da                         |
| NCBI Official Full Name          | adenylate kinase 4, mitochondrial |
| NCBI Official Synonym Full Names | adenylate kinase 4                |
| NCBI Official Symbol             | AK4                               |
| NCBI Official Synonym Symbols    | AK3; AK 4; AK3L1; AK3L2           |
| NCBI Protein Information         | adenylate kinase 4, mitochondrial |
| UniProt Protein Name             | Adenylate kinase 4, mitochondrial |
| UniProt Gene Name                | AK4                               |
| UniProt Synonym Gene Names       | AK 4                              |
| UniProt Entry Name               | KAD4_HUMAN                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.