

## AK1 Polyclonal Antibody

### Description

|                         |   |
|-------------------------|---|
| Product type            | Primary Antibody  |
| Code                    | BT-AP00314  |
| Host                    | Rabbit  |
| Isotype                 | IgG   |
| Size                    | 20ul, 50ul, 100ul   |
| Immunogen               | The antiserum was produced against synthesized peptide derived from human KAD1 . AA range:101-150 |
| Mol wt                  | 21635   |
| Species reactivity      | Human, Mouse, Rat   |
| Clonality               | Polyclonal  |
| Recommended application | IHC-p, IF, ELISA  |
| Concentration           | 1 mg/ml   |
| Full name               | AK1 Antibody  |
| Synonyms                | AK1; Adenylate kinase isoenzyme 1; AK 1; ATP-AMP transphosphorylase 1; Myokinase                  |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

AK1 encodes an adenylate kinase enzyme involved in energy metabolism and homeostasis of cellular adenine nucleotide ratios in different intracellular compartments. AK1 is highly expressed in skeletal muscle, brain and erythrocytes. Certain mutations in this gene resulting in a functionally inadequate enzyme are associated with a rare genetic disorder causing nonspherocytic hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

### Recommended Dilution

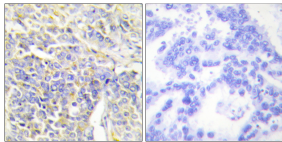
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

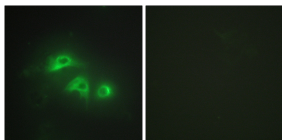
ELISA: 1: 5000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using KAD1 Antibody . The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of HepG2 cells, using KAD1 Antibody . The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year