

Anti-AK1 antibody (1-194) (STJ22560)

GENERAL INFORMATION

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|---------------|-----------------------|
| Product Type | Primary antibodies |
| Applications | WB/IHC-P/IF/ICC/ELISA |
| Host / Source | Rabbit |
| Reactivity | Human/Mouse |

PRODUCT PROPERTIES

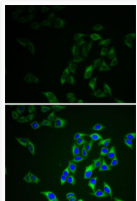
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|---------------------|--|
| Clonality | Polyclonal |
| Concentration | Lot specific |
| Conjugation | Unconjugated |
| Purification | Affinity purification |
| Dilution Range | WB:1:500-1:2000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation | PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3. |
| Isotype | IgG |
| Molecular Weight | Protein Mw: 22kDa Observed Mw: 22kDa |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles. |

TARGET INFORMATION

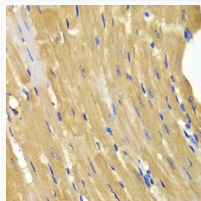
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|--------------------|--|
| Gene ID | 203 |
| Gene Symbol | AK1 |
| UniProt ID | KAD1_HUMAN |
| Immunogen Region | 1-194 |
| Immunogen Sequence | MEEKLKTKIIFVGGPGSG KGTQCEKIVQKYGYTHLSTG DLLRSEVSSGSARGKKLSEI MEKQQLVPLETVLDMLRDAM VAKVNTSKGFLIDGYPREVQ QGEFFERRIGQPTLLLYVDA GPETMTQRLLKRGETSGRVD DNEETIKKRLETTYKATEPV IAFYEKRGIVRKVNAEGSVD SVFSQVCTHLDALK |
| Specificity | Recombinant fusion protein containing a sequence corresponding to amino acids 1-194 of human AK1 (NP_000467.1). |

ADDITIONAL INFORMATION

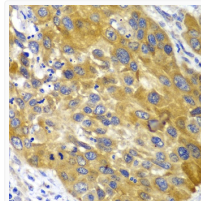
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| Note | STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS. |
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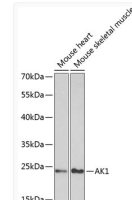
Immunofluorescence analysis of HeLa cells using AK1 antibody (STJ22560). Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded mouse heart using AK1 antibody (STJ22560) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human esophageal cancer using AK1 antibody (STJ22560) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using AK1 antibody (STJ22560) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST.