

Product Data Sheet

Anti-AK2 Antibody

| Catalog # | Source | Reactivity | Applications |
|--------------------------|--|------------|--------------|
| CQA1398 | Rabbit | H, M, R | WB, IH |
| Description | Rabbit polyclonal antibody to AK2 | | |
| Immunogen | Recombinant full length protein of human AK2 | | |
| Purification | The antibody was purified by immunogen affinity chromatography. | | |
| Specificity | Recognizes endogenous levels of AK2 protein. | | |
| Clonality | Polyclonal | | |
| Conjugation | | | |
| Form | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | |
| Dilution | WB (1/500 - 1/2000), IH (1/50 - 1/200) | | |
| Gene Symbol | AK2 | | |
| Alternative Names | ADK2; Adenylate kinase 2 mitochondrial; AK 2; ATP-AMP transphosphorylase 2; ATP:AMP phosphotransferase; Adenylate monophosphate kinase | | |
| Entrez Gene | 204 (Human); 11637 (Mouse); 24184 (Rat) | | |
| SwissProt | P54819 (Human); Q9WTP6 (Mouse); P29410 (Rat) | | |
| Storage/Stability | Shipped at 4° C. Upon delivery aliquot and store at -20° C for one year. Avoid freeze/thaw cycles. | | |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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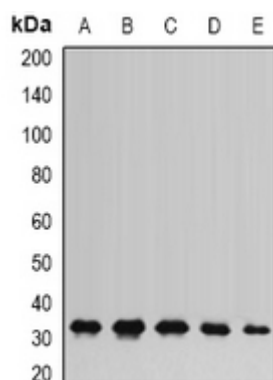
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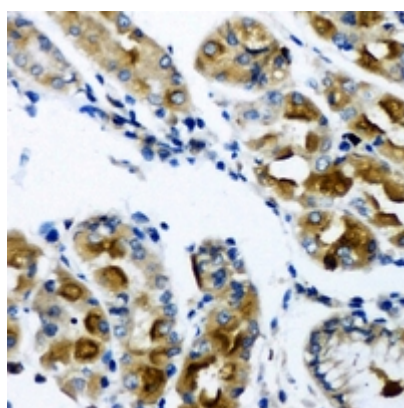
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Western blot analysis of AK2 expression in HT29 (A), Hela (B), mouse liver (C), mouse kidney (D), rat heart (E) whole cell lysates. (Predicted band size: 14; 21; 22; 24; 25; 26 kD; Observed band size: 32 kD)



Immunohistochemical analysis of AK2 staining in human gastric cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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