

## Rabbit ZAK Polyclonal Antibody | anti-MLTK antibody

Anti-ZAK Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                          |
|-----------|--------|-------------------|-------------------------------------------------------|
| AAA259632 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

ZAK; Polyclonal Antibody; Anti-ZAK Antibody; MLTK; Mitogen-activated protein kinase kinase kinase MLT; Human cervical cancer suppressor gene 4 protein; HCCS-4; Leucine zipper- and sterile alpha motif-containing kinase; MLK-like mitogen-activated protein triple kinase; Mixed lineage kinase-related kinase; MLK-related kinase; MRK; Sterile alpha motif- and leucine zipper-containing kinase AZK; anti-MLTK antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                    |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                             |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                         |
| Specificity                                    | Recognizes endogenous levels of ZAK protein.                                                                                       |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                    |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                          |
| Sequence Length                                | 800                                                                                                                                |
| Applicable Applications for anti-MLTK antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                              |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ZAK. The exact sequence is proprietary. |
| Preparation and Storage                        | Upon receipt aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                    |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of ZAK staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### WB (Western Blot)

Western blot analysis of ZAK expression in HeLa (A), HepG2 (B), NIH3T3 (C) whole cell lysates. (Predicted band size: 35; 51; 91 kD; Observed band size: 91 kD).

### ADDITIONAL INFORMATION

|                                                    |                                   |
|----------------------------------------------------|-----------------------------------|
| Related Product Information for anti-MLTK antibody | Rabbit polyclonal antibody to ZAK |
|----------------------------------------------------|-----------------------------------|

### NCBI AND UNIPROT INFORMATION

|           |          |
|-----------|----------|
| NCBI GI # | 82880648 |
|-----------|----------|

|                               |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| NCBI GeneID                   | 51776                                                                          |
| NCBI Accession #              | NP_057737.2                                                                    |
| NCBI GenBank Nucleotide #     | NM_016653.2                                                                    |
| UniProt Accession #           | Q9NYL2; Q53SX1; Q580W8; Q59GY5; Q86YW8; Q9HCC4; Q9HCC5; Q9HDD2; Q9NYE9; B3KPG2 |
| NCBI Official Full Name       | mitogen-activated protein kinase kinase kinase MLT isoform 1                   |
| NCBI Official Symbol          | ZAK                                                                            |
| NCBI Official Synonym Symbols | pk; AZK; MLT; MRK; MLK7; MLTK; mlklak                                          |
| NCBI Protein Information      | mitogen-activated protein kinase kinase kinase MLT                             |
| UniProt Protein Name          | Mitogen-activated protein kinase kinase kinase MLT                             |
| UniProt Gene Name             | <b>ZAK</b>                                                                     |
| UniProt Synonym Gene Names    | MLTK; HCCS-4; MLK-related kinase; MRK                                          |
| UniProt Entry Name            | MLTK_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.

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