



MLK1/2 rabbit pAb

Cat No.:ES6250

For research use only

Overview

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| Product Name | MLK1/2 rabbit pAb |
| Host species | Rabbit |
| Applications | IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse |
| Recommended dilutions | Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human MLK1/2. AA range:281-330 |
| Specificity | MLK1/2 Polyclonal Antibody detects endogenous levels of MLK1/2 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Mitogen-activated protein kinase kinase kinase 9/10 |
| Gene Name | MAP3K9/MAP3K10 |
| Cellular localization | intracellular,integral component of membrane, |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | |
| Human Gene ID | 4293/4294 |
| Human Swiss-Prot Number | P80192/Q02779 |
| Alternative Names | MAP3K9; MLK1; PRKE1; Mitogen-activated protein kinase kinase kinase 9; Mixed lineage kinase 1; MAP3K10; MLK2; MST; Mitogen-activated protein kinase kinase kinase 10; Mixed lineage kinase 2; Protein kinase MST |
| Background | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Homodimerization via the leucine zipper |





domains is required for autophosphorylation and subsequent activation.,function:Activates the JUN N-terminal pathway.,PTM:Autophosphorylation on serine and threonine residues within the activation loop plays a role in enzyme activation. Thr-312 is likely to be the main autophosphorylation site.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH3 domain.,subunit:Homodimer.,tissue specificity:Expressed in epithelial tumor cell lines of colonic, breast and esophageal origin.,

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using MLK1/2 Antibody. The picture on the right is blocked with the synthesized peptide.

