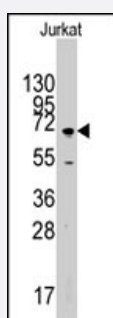


MAPK4 polyclonal antibody

Catalog # PAB2872

Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MAPK4 polyclonal antibody (Cat # PAB2872) in Jurkat cell lysate (35 ug/lane). MAPK4 (arrow) was detected using the purified polyclonal antibody.

Specification

| | |
|----------------------------|--|
| Product Description | Rabbit polyclonal antibody raised against synthetic peptide of MAPK4. |
| Immunogen | A synthetic peptide (conjugated with KLH) corresponding to amino acids 537-566 at C-terminus of human MAPK4. |
| Host | Rabbit |
| Reactivity | Human |
| Form | Liquid |
| Purification | Ammonium sulfate precipitation |
| Recommend Usage | Western Blot (1:1000) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS (0.09% sodium azide) |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Applications

- Western Blot (Cell lysate)

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Gene Info — MAPK4

| | |
|--------------------|---|
| Entrez GeneID | 5596 |
| Protein Accession# | NP_002738:Q0VVG04 |
| Gene Name | MAPK4 |
| Gene Alias | ERK3, Erk4, PRKM4, p63MAPK |
| Gene Description | mitogen-activated protein kinase 4 |
| Omim ID | 176949 |
| Gene Ontology | Hyperlink |
| Gene Summary | Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus where it phosphorylates nuclear targets. [provided by RefSeq] |
| Other Designations | Erk3-related |

Publication Reference

- [Human biliverdin reductase is an ERK activator; hBVR is an ERK nuclear transporter and is required for MAPK signaling.](#)
Lerner-Marmarosh N, Miralem T, Gibbs PE, Maines MD.
PNAS 2008 May; 105(19):6870.
- [Characterization of the atypical MAPK ERK4 and its activation of the MAPK-activated protein kinase MK5.](#)
Kant S, Schumacher S, Singh MK, Kispert A, Kotlyarov A, Gaestel M.
The Journal of Biological Chemistry 2006 Sep; 281(46):35511.
Application: WB, Mouse, MEF cells

Pathway

- [MAPK signaling pathway](#)