

## DESCRIPTION

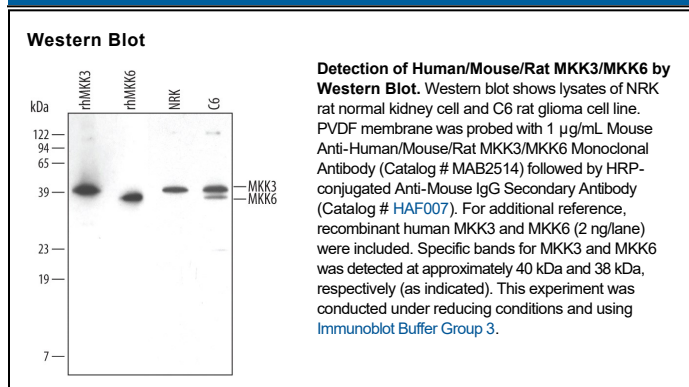
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human MKK3/MKK6 in direct ELISAs and recombinant and endogenous MKK3/MKK6 in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 275922
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human MKK3 Met1-Ser347 Accession # P46734
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Mitogen-activated protein kinase kinase 3 (MKK3), also known as MEK3, and the closely related MKK6 are activated by proinflammatory cytokines and environmental stresses. Activation occurs through phosphorylation by several upstream MAPK kinase kinases, including ASK1 and TAK1. Both MKK3 and MKK6 are dual specificity protein kinases, phosphorylating and activating the p38 MAP kinases at Thr and Tyr positions within the phosphoacceptor sequence Thr-Gly-Tyr.

## PRODUCT SPECIFIC NOTICES

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