

# **Human MKP-3 Antibody**

Monoclonal Mouse IgG<sub>2A</sub> Clone # 363209 Catalog Number: MAB35761

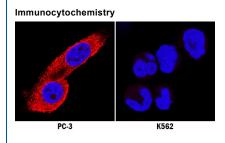
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human MKP-3 in direct ELISAs.		
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 363209		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	n E. coli-derived recombinant human MKP-3 Met1-Thr381 Accession # Q16828		
Formulation	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.

	Recommended Concentration	Sample
Immunocytochemistry	8-25 μg/mL	See Below

## DATA



MKP-3 in PC-3 and K562 Human Cell Lines. MKP-3 was detected in immersion fixed PC-3 human prostate cancer cell line (left panel: positive stain) and K562 human chronic myelogenous leukemia cell line (right panel; negative stain) using Mouse Anti-Human MKP-3 Monoclonal Antibody (Catalog # MAB35761) at 8 μg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

### PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping 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

- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

# BACKGROUND

MAP Kinase Phosphatase 3 (MKP-3), also called PYST1 and Dual Specificity Phosphatase 6 (DUSP6), dephosphorylates serine, threonine, and tyrosine residues in proteins. On Western blots, MKP-3 has an apparent molecular weight of 42 kilodaltons. It has a high degree of substrate selectivity for dephosphorylating ERK kinases over stress-related kinases such as p38 and JNK. MKP-3 is ubiquitinylated prior to degradation in the proteosome. The rate of MKP-3 degradation is enhanced by ERK-mediated phosphorylation.

Rev. 3/8/2019 Page 1 of 1

