Rev03
Update: Aug,08,2025

DATASHEET

p38 MAPK Antibody, mAb, Rabbit

Cat. No.: A02656

Overview

Specificity	This product is specific to p38 MAPK
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human p38 MAPK
Species Reactivity	Human; Mouse; Rat
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

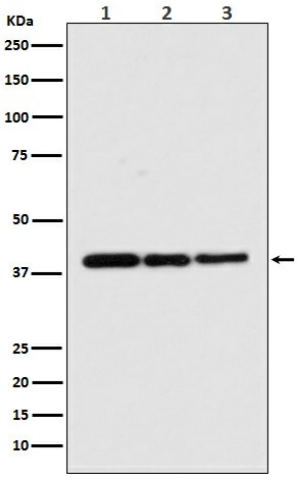
Application	Recommended Usage
Western Blot	1:1000-1:2000
Immunocytochemistry/Immunofluorescence (ICC/IF)	1:50-1:200
Immunoprecipitation (IP)	1:20-1:50
Chromatin immunoprecipitation (ChIP)	1:20-1:50
Flow Cytometry	1:20-1:100

Properties

Form	Liquid
Storage Buffer	Supplied in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.
Purification	Affinity-chromatography

Isotype	Rabbit IgG
Clonality	Monoclonal

Examples



Western blot analysis of p38 MAPK expression in (1) HeLa cell lysate; (2) NIH/3T3cell lysate; (3) PC-12 cell lysate.

Background

Target Background : Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK14 is one of the four p38 MAPKs which play an important role in the cascades of cellular responses evoked by extracellular stimuli such as pro-inflammatory cytokines or physical stress leading to direct activation of transcription factors.RPS6KA5/MSK1 and RPS6KA4/MSK2 play important roles in the rapid induction of immediate-early genes in response to stress or mitogenic stimuli, either by inducing chromatin remodeling or by recruiting the transcription machinery.

Synonyms : CRK1; CSAID binding protein; CSBP; CSBP1; CSBP2; Cytokine suppressive anti- inflammatory drug binding protein; EC 2.7.11.24; MAP kinase MXI2; MAP kinase p38; MAPK14;

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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