Anti-MAPKAP Kinase 2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100649

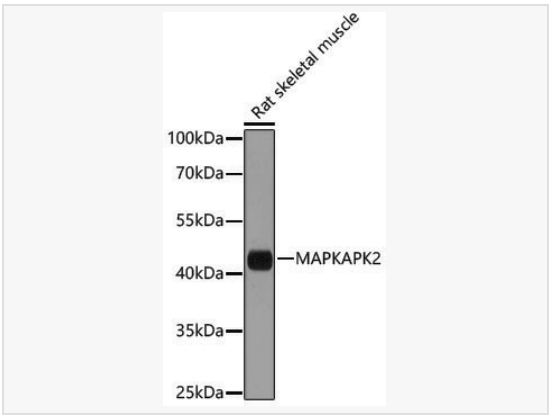
Product Information

Application	WB, ELISA
Reactivity	Rat
Dilution	WB 1:500~1:2000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 300-400 of human MAPKAPK-2/MK2 (NP_116584.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MAPKAP Kinase 2 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	MK2; MK-2; MAPKAP-K2; MAPKAPK-2/MK2.
Calculated MW	Calculated MW: 46 kDa; Observed MW: 45 kDa
Uniprot ID	P49137
Gene ID	9261
Background	This gene encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is known to be involved in many cellular processes including stress and inflammatory responses, nuclear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene.

Validation Images



Western blot analysis of lysates from Rat skeletal muscle, using MAPKAPK-2/MK2 Rabbit pAb (P100649) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 120s.