

Basic Information

Product Name	Anti-MAPKAPK2 Antibody (Clone#18M27)
Gene Name	MAPKAPK2
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human MAPKAP Kinase 2
Concentration	500 ug/ml
Observed MW	46 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 ImmunoPrecipitation (IP):1:100

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Its physiological substrate seems to be the small heat shock protein (HSP27/HSP25). In vitro can phosphorylate glycogen synthase at 'Ser-7' and tyrosine hydroxylase (on 'Ser-19' and 'Ser-40'). This kinase phosphorylates Ser in the peptide sequence, Hyd-X-R-X(2)-S, where Hyd is a large hydrophobic residue (By similarity).

Selected Validation Data

Western blot analysis of MAPKAP Kinase 2 expression in Hela cell lysate.

