

Product datasheet

Anti-MAPKAP Kinase 2 antibody ab2311

Overview

Product name	Anti-MAPKAP Kinase 2 antibody
Description	Rabbit polyclonal to MAPKAP Kinase 2
Host species	Rabbit
Specificity	Two isoforms are produced due to alternative splicing of the same gene which differ in their C-terminals. This antibody recognizes both 43 and 60 kDa isoforms, corresponding to the apparent molecular mass of MAPKAPK-2 on SDS-PAGE immunoblots. These 43 kDa and 60 kDa bands can be specifically inhibited by the relevant peptide.
Tested applications	Suitable for: IP, WB
Species reactivity	Reacts with: Mouse, Rat, Cow, Dog, Human
Immunogen	Unfortunately, this information is considered to be commercially sensitive

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 30% Glycerol, 0.5% BSA, PBS, pH 7.2
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab2311** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use a concentration of 4 µg/ml.
WB		Use a concentration of 4 µg/ml.

Target

Function	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). Mediates both ERK and p38 MAPK/MAPK14 dependent neutrophil responses. Participates in TNF alpha-stimulated exocytosis of secretory vesicles in neutrophils. Plays a role in phagocytosis-induced respiratory burst activity.
Tissue specificity	Expressed in all tissues examined.
Sequence similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Contains 1 protein kinase domain.
Post-translational modifications	Phosphorylated and activated by MAP kinase.

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