abcam

## Product datasheet

# Anti-MAPKAP Kinase 2 antibody ab2311

### Overview

| | |
|---|---|
| **Product name** | Anti-MAPKAP Kinase 2 antibody |
| **Description** | Rabbit polyclonal to MAPKAP Kinase 2 |
| **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)<br>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.<br>Contains 1 protein kinase domain. |
| **Post-translational modifications** | Phosphorylated and activated by MAP kinase. |



## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit http://www.abcam.com/abpromise or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors