

Product datasheet

Anti-Rsk 2 / MAPKAP Kinase 1b antibody [Y83] - BSA and Azide free ab247236

KO VALIDATED Recombinant RabMAb

4 Images

Overview

Product name	Anti-Rsk 2 / MAPKAP Kinase 1b antibody [Y83] - BSA and Azide free
Description	Rabbit monoclonal [Y83] to Rsk 2 / MAPKAP Kinase 1b - BSA and Azide free
Host species	Rabbit
Specificity	The antibody recognises Rsk2. It does not cross react with other S6 kinase family members.
Tested applications	Suitable for: IHC-P, WB Unsuitable for: ICC
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human Rsk 2/ MAPKAP Kinase 1b (N terminal). The exact sequence is proprietary.
General notes	Ab247236 is the carrier-free version of ab32133 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab247236 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

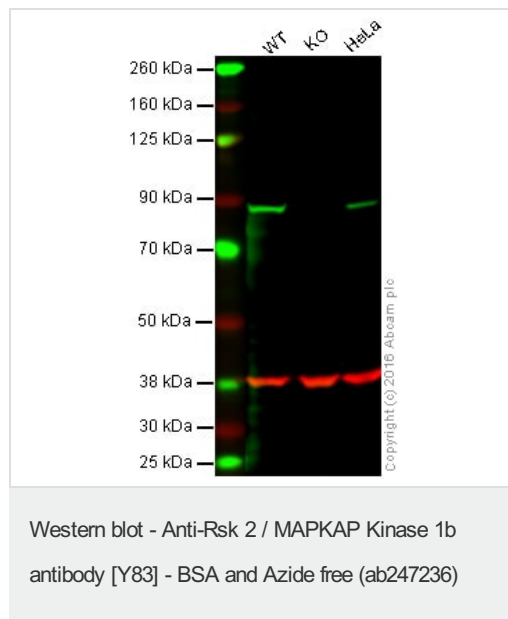
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next

Target

Function	Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB.
Tissue specificity	Expressed in many tissues, highest levels in skeletal muscle.
Involvement in disease	Defects in RPS6KA3 are the cause of Coffin-Lowry syndrome (CLS) [MIM:303600]; an X-linked dominant disorder characterized by severe mental retardation with facial and digital dysmorphisms, and progressive skeletal deformations.
Sequence similarities	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 2 protein kinase domains.
Post-translational modifications	Autophosphorylated on Ser-386, as part of the activation process. Ser-227 phosphorylation promotes Ser-386 phosphorylation and leads to basal activation. Full activation by growth factors requires additional phosphorylation on Ser-369.

Images



This data was developed using [ab32133](#), the same antibody clone in a different buffer formulation.

Lane 1: Wild-type HAP1 cell lysate (40 µg)

Lane 2: Rsk 2 / MAPKAP Kinase 1b knockout HAP1 cell lysate (40 µg)

Lane 3: HeLa cell lysate (40 µg)

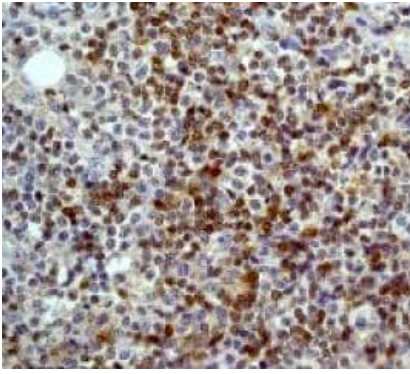
Lane 4: (40 µg)

Lanes 1 - 4: Merged signal (red and green). Green - [ab32133](#) observed at 88 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

[ab32133](#) was shown to specifically react with Rsk 2 / MAPKAP Kinase 1b when Rsk 2 / MAPKAP Kinase 1b knockout samples were used. Wild-type and Rsk 2 / MAPKAP Kinase 1b knockout samples were subjected to SDS-PAGE. [ab32133](#) and [ab8245](#) (loading control to GAPDH) were diluted at 1/5000 and 1:10,000 dilution respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed [ab216773](#)

and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed [ab216776](#)

secondary antibodies at 1:10,000 dilution for 1 hour at room temperature before imaging.

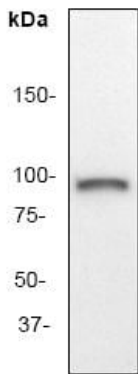


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rsk 2 / MAPKAP Kinase 1b antibody [Y83] - BSA and Azide free (ab247236)

This data was developed using [ab32133](#), the same antibody clone in a different buffer formulation.

[ab32133](#), staining human lymphoma by immunohistochemistry, Paraffin embedded tissue

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Rsk 2 / MAPKAP Kinase 1b antibody [Y83] - BSA and Azide free (ab247236)

Anti-Rsk 2 / MAPKAP Kinase 1b antibody [Y83] ([ab32133](#)) at 1/5000 dilution + HeLa cell lysate

Predicted band size: 84 kDa

Observed band size: 90 kDa

[why is the actual band size different from the predicted?](#)

This data was developed using [ab32133](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Rsk 2 / MAPKAP Kinase 1b antibody [Y83] - BSA and Azide free (ab247236)

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