

Product datasheet

Anti-RBMY1A1 antibody [R12508(2)] - BSA and Azide free ab251302

Recombinant RabMAb

4 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-RBMY1A1 antibody [R12508(2)] - BSA and Azide free |
| Description | Rabbit monoclonal [R12508(2)] to RBMY1A1 - BSA and Azide free |
| Host species | Rabbit |
| Specificity | Based on sequence analysis, this antibody recognizes 2 isoforms with the predicted MWs of 56KDa and 51KDa respectively. Sequence analysis also showed a 100% homology with RBY1F, RBY1E, RBY1D, RBY1C and RBY1B. |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| General notes | <p>ab251302 is the carrier-free version of ab200202.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>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.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit</p> |

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Storage buffer | pH: 7.2 Constituent: PBS |
| Carrier free | Yes |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | R12508(2) |
| Isotype | IgG |

Applications

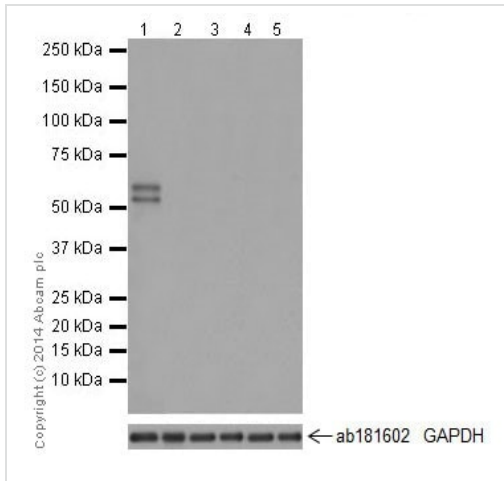
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab251302 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|--------------|-----------|---|
| WB | | Use at an assay dependent concentration. Detects a band of approximately 51, 56 kDa (predicted molecular weight: 56 kDa). |
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |

Target

| | |
|------------------------------|--|
| Function | RNA-binding protein involved in pre-mRNA splicing. Required for sperm development. Acts additively with TRA2B to promote exon 7 inclusion of the survival motor neuron SMN. Binds non-specifically to mRNAs. |
| Tissue specificity | Testis-specific. |
| Sequence similarities | Contains 1 RRM (RNA recognition motif) domain. |
| Developmental stage | Expressed in all of the transcriptionally active stages of germ cell development from spermatogonia through spermatocytes to round spermatids. |
| Cellular localization | Nucleus. |

Images



Western blot - Anti-RBMY1A1 antibody [R12508(2)]
 - BSA and Azide free (ab251302)

All lanes : Anti-RBMY1A1 antibody [R12508(2)] (**ab200202**) at 1/1000 dilution

- Lane 1 :** Human testis lysate
- Lane 2 :** Human fetal brain tissue lysate
- Lane 3 :** Human fetal heart tissue lysate
- Lane 4 :** Human fetal kidney tissue lysate
- Lane 5 :** Human fetal spleen tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 56 kDa

Observed band size: 51,56 kDa

Exposure time: 5 seconds

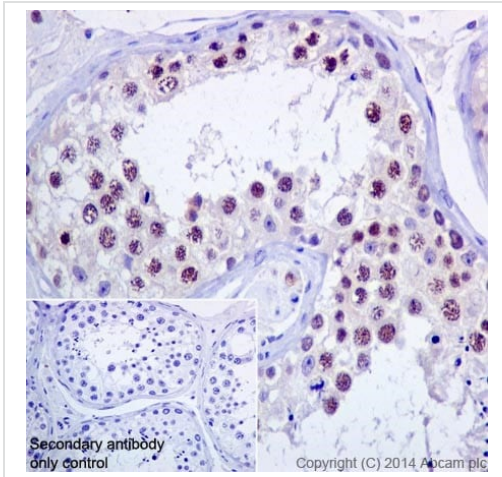
This data was developed using **ab200202**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFD/MTBST.

Please note lanes 2-5 represent RBMY1A1 negative lysates.

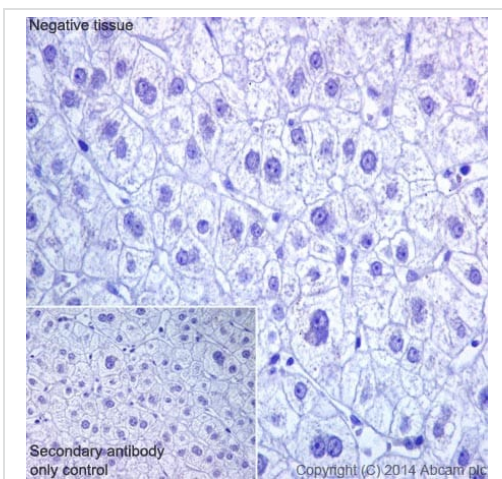
Based on sequence analysis, **ab200202** recognizes 2 isoforms with the predicted MWs of 56KDa and 51KDa respectively.

Sequence analysis also showed a 100% homology with RBY1F, RBY1E, RBY1D, RBY1C and RBY1B.



This data was developed using [ab200202](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling RBMY1A1 with [ab200202](#) at 1/4000 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nucleus staining of Human testis tissue is observed. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RBMY1A1 antibody [R12508(2)] - BSA and Azide free ([ab251302](#))



This data was developed using [ab200202](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human liver tissue with [ab200202](#) at 1/4000 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Please note Human liver tissue represents a RBMY1A1 negative control. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RBMY1A1 antibody [R12508(2)] - BSA and Azide free ([ab251302](#))

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-RBMY1A1 antibody [R12508(2)] - BSA and Azide free (ab251302)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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