

Product datasheet

Anti-EXTL2 antibody [EPR11130] - BSA and Azide free  
ab249478

Recombinant RabMAb

4 Images

Overview

<b>Product name</b>	Anti-EXTL2 antibody [EPR11130] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR11130] to EXTL2 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human EXTL2. The exact sequence is proprietary. Database link: <a href="#">Q9UBQ6</a>
<b>General notes</b>	Ab249478 is the carrier-free version of <a href="#">ab168391</a> . 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.

ab249478 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 breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR11130
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab249478** 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. Predicted molecular weight: 37 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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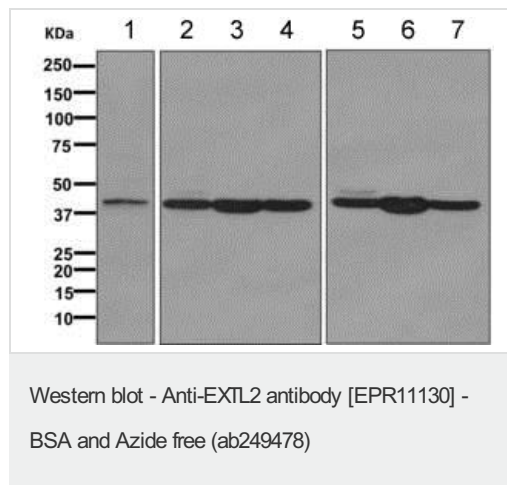
**Application notes**                      Is unsuitable for ICC.

## Target

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<b>Function</b>	Glycosyltransferase required for the biosynthesis of heparan-sulfate and responsible for the alternating addition of beta-1-4-linked glucuronic acid (GlcA) and alpha-1-4-linked N-acetylglucosamine (GlcNAc) units to nascent heparan sulfate chains.
<b>Tissue specificity</b>	Ubiquitous.
<b>Pathway</b>	Glycan metabolism; heparan sulfate biosynthesis.
<b>Sequence similarities</b>	Belongs to the glycosyltransferase 47 family.
<b>Post-translational modifications</b>	The soluble form derives from the membrane form by proteolytic processing.
<b>Cellular localization</b>	Endoplasmic reticulum membrane and Secreted. A soluble form is found in the serum.

## Images



**All lanes** : Anti-EXTL2 antibody [EPR11130] ([ab168391](#)) at 1/1000 dilution

**Lane 1** : Human fetal heart tissue lysate

**Lane 2** : Mouse brain tissue lysate

**Lane 3** : Mouse heart tissue lysate

**Lane 4** : Mouse kidney tissue lysate

**Lane 5** : Rat brain tissue lysate

**Lane 6** : Rat heart tissue lysate

**Lane 7** : Rat kidney tissue lysate

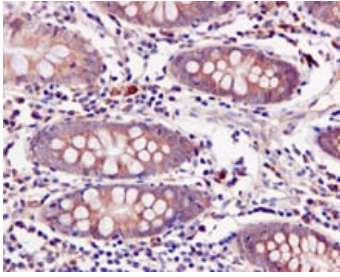
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 37 kDa

This data was developed using [ab168391](#), the same antibody clone in a different buffer formulation.

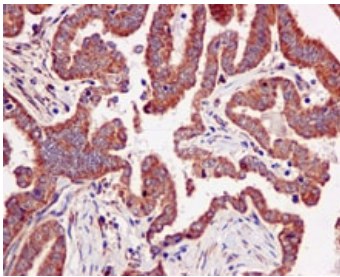


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EXTL2 antibody [EPR11130] - BSA and Azide free (ab249478)

This data was developed using [ab168391](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling EXTL2 with [ab168391](#) at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.






Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EXTL2 antibody [EPR11130] - BSA and Azide free (ab249478)

This data was developed using [ab168391](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human thyroid carcinoma tissue labeling EXTL2 with [ab168391](#) at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

### Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-EXTL2 antibody [EPR11130] - BSA and Azide free (ab249478)

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

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