

## Product datasheet

# Anti-PTBP2 antibody [EPR9890] ab154787

Recombinant RabMAb

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### Overview

<b>Product name</b>	Anti-PTBP2 antibody [EPR9890]
<b>Description</b>	Rabbit monoclonal [EPR9890] to PTBP2
<b>Host species</b>	Rabbit
<b>Specificity</b>	The immunogen used for this product shares 91% homology with PTBP1 and 85% homology with PTBP3. Cross-reactivity with this protein has not been confirmed experimentally.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	C6, Neuro-2a, SH-SY5Y, Y79 and HeLa whole cell lysate ( <a href="#">ab150035</a> ); Human glioma tissue; HeLa cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR9890  
**Isotype**                                IgG

## Applications

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**The Abpromise guarantee**        Our **Abpromise guarantee** covers the use of ab154787 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
<b>WB</b>		1/1000 - 1/10000. Predicted molecular weight: 57 kDa.
<b>IHC-P</b>		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
<b>ICC/IF</b>		1/250 - 1/500.

**Application notes**                    Is unsuitable for Flow Cyt or IP.

## Target

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**Function**                                RNA-binding protein which binds to intronic polypyrimidine tracts and mediates negative regulation of exons splicing. May antagonize in a tissue-specific manner the ability of NOVA1 to activate exon selection. Beside its function in pre-mRNA splicing, plays also a role in the regulation of translation. Isoform 5 has a reduced affinity for RNA.

**Tissue specificity**                    Mainly expressed in brain although also detected in other tissues like heart and skeletal muscle. Isoform 1 and isoform 2 are specifically expressed in neuronal tissues. Isoform 3 and isoform 4 are expressed in non-neuronal tissues. Isoform 5 and isoform 6 are truncated forms expressed in non-neuronal tissues.

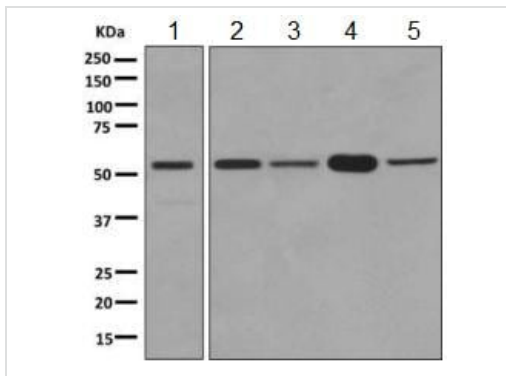
**Sequence similarities**                Contains 4 RRM (RNA recognition motif) domains.

**Cellular localization**                Nucleus.

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## Images

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Western blot - Anti-PTBP2 antibody [EPR9890] (ab154787)

**All lanes** : Anti-PTBP2 antibody [EPR9890] (ab154787) at 1/1000 dilution

**Lane 1** : C6 cell lysate

**Lane 2** : Neuro-2a cell lysate

**Lane 3** : SH-SY5Y cell lysate

**Lane 4** : Y79 (Human retinoblastoma cell line) cell lysate

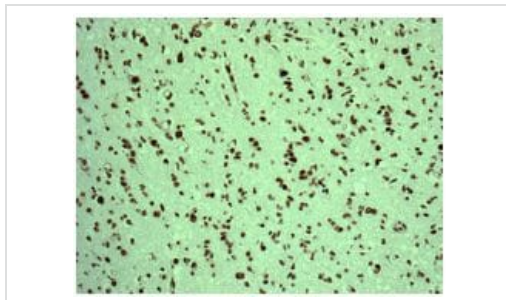
**Lane 5** : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

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

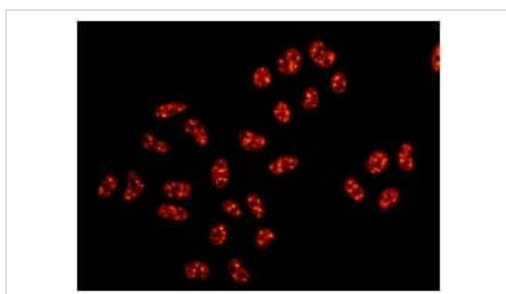
**Predicted band size:** 57 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTBP2 antibody [EPR9890] (ab154787)

Immunohistochemical analysis of paraffin-embedded Human glioma tissue labeling PTBP2 with ab154787 at 1/100 dilution.





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



Immunocytochemistry/ Immunofluorescence - Anti-PTBP2 antibody [EPR9890] (ab154787)

Immunofluorescent analysis of HeLa cells labeling PTBP2 with ab154787 at 1/250 dilution.

Why choose a recombinant antibody?

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

Anti-PTBP2 antibody [EPR9890] (ab154787)

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

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