

Product datasheet

Anti-PTBP1 antibody ab83897

1 References 3 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-PTBP1 antibody |
| Description | Rabbit polyclonal to PTBP1 |
| Host species | Rabbit |
| Tested applications | Suitable for: ICC/IF, WB, IHC-P |
| Species reactivity | Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Caenorhabditis elegans, Zebrafish  |
| Immunogen | Synthetic peptide corresponding to a region within internal sequence amino acids 508 - 557 (KGFKFFQKDRKMALIQMGSVEEAVQALIDLHNHDLGENHHLRVSFASKST I) of Human PTBP1 (NP_002810) |
| Positive control | Jurkat cell lysate. IF/ICC: HepG2 cell line. |

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: 0.09% Sodium azide Constituents: 2% Sucrose, PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab83897** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

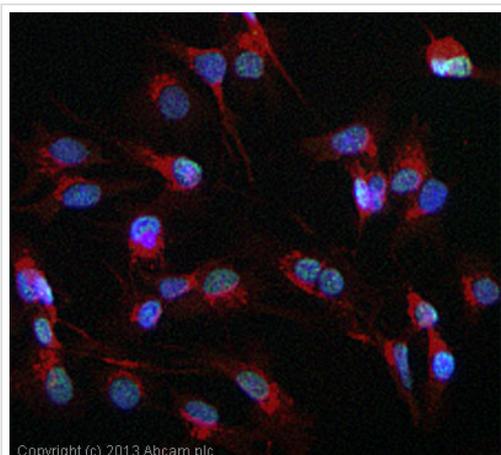
| Application | Abreviews | Notes |
|-------------|-----------|---------------------------------|
| ICC/IF | | Use a concentration of 5 µg/ml. |

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | Use a concentration of 1 µg/ml. Predicted molecular weight: 57 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T. |
| IHC-P | | Use a concentration of 1 µg/ml. |

Target

| | |
|------------------------------|---|
| Function | Plays a role in pre-mRNA splicing and in the regulation of alternative splicing events. Binds to the polypyrimidine tract of introns. May promote RNA looping when bound to two separate polypyrimidine tracts in the same pre-mRNA. May promote the binding of U2 snRNP to pre-mRNA. Cooperates with RAVER1 to modulate switching between mutually exclusive exons during maturation of the TPM1 pre-mRNA. |
| Sequence similarities | Contains 4 RRM (RNA recognition motif) domains. |
| Cellular localization | Nucleus. |

Images



Immunocytochemistry/ Immunofluorescence - Anti-PTBP1 antibody (ab83897)

ICC/IF image of ab83897 stained HepG2 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab83897, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#), DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

90 kDa
65 kDa
40 kDa
31 kDa
22 kDa



Western blot - Anti-PTBP1 antibody (ab83897)

Anti-PTBP1 antibody (ab83897) at 1 µg/ml +
Jurkat cell lysate at 10 µg

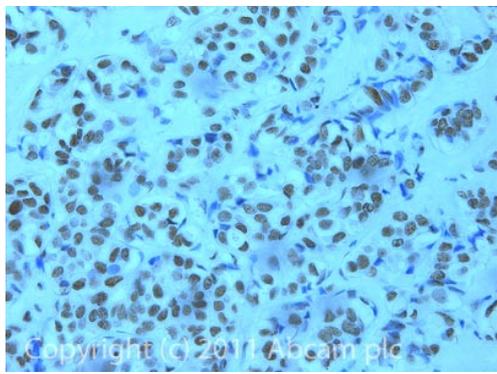
Secondary

HRP conjugated anti-Rabbit IgG at 1/50000
dilution

Predicted band size: 57 kDa

Observed band size: 57 kDa

Additional bands at: 43 kDa, 45 kDa. We
are unsure as to the identity of these extra
bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-PTBP1 antibody
(ab83897)

IHC image of ab83897 staining in Breast
Cancer formalin fixed paraffin embedded
tissue section, performed on a Leica Bond™
system using the standard protocol F. The
section was pre-treated using heat mediated
antigen retrieval with sodium citrate buffer
(pH6, epitope retrieval solution 1) for 20 mins.
The section was then incubated with ab83897,
µg/ml, for 15 mins at room temperature and
detected using an HRP conjugated compact
polymer system. DAB was used as the
chromogen. The section was then
counterstained with haematoxylin and
mounted with DPX.

For other IHC staining systems (automated
and non-automated) customers should
optimize variable parameters such as antigen
retrieval conditions, primary antibody
concentration and antibody incubation times.

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