

## Product datasheet

### Anti-HePTP / PTPN7 antibody ab230004

2 Images

#### Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name</b>        | Anti-HePTP / PTPN7 antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>         | Rabbit polyclonal to HePTP / PTPN7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Host species</b>        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>           | Recombinant fragment corresponding to Human HePTP/ PTPN7 aa 1-190.<br>Database link: <a href="#">P35236</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Positive control</b>    | IHC-P: Human liver cancer and tonsil tissues.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>General notes</b>       | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p> |

#### Properties

|                             |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>                 | Liquid                                                                                                                            |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.30<br>Preservative: 0.02% Sodium azide<br>Constituents: PBS, 50% Glycerol (glycerin, glycerine)                             |
| <b>Purity</b>               | Immunogen affinity purified                                                                                                       |
| <b>Clonality</b>            | Polyclonal                                                                                                                        |
| <b>Isotype</b>              | IgG                                                                                                                               |

#### Applications

**The Abpromise guarantee**

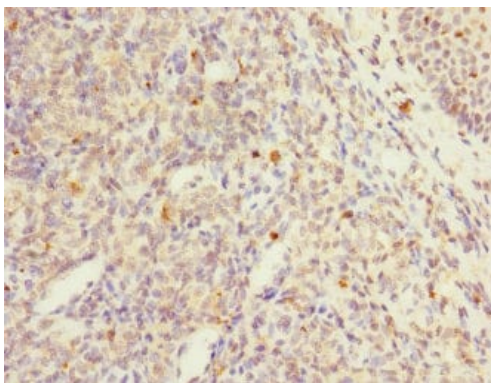
Our **Abpromise guarantee** covers the use of ab230004 in the following tested applications.

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

| Application | Abreviews | Notes         |
|-------------|-----------|---------------|
| IHC-P       |           | 1/20 - 1/200. |

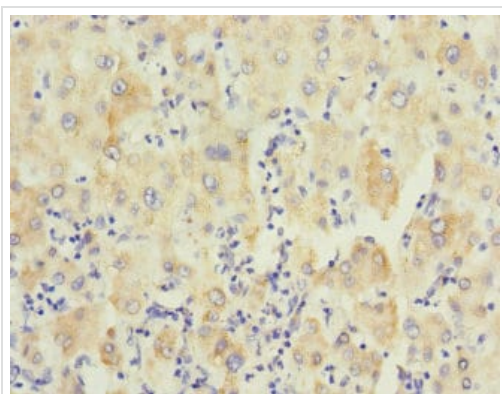
**Target**

|                                         |                                                                                                                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Function</b>                         | Protein phosphatase that acts preferentially on tyrosine-phosphorylated MAPK1. Plays a role in the regulation of T and B-lymphocyte development and signal transduction.                                      |
| <b>Tissue specificity</b>               | Expressed exclusively in thymus and spleen.                                                                                                                                                                   |
| <b>Sequence similarities</b>            | Belongs to the protein-tyrosine phosphatase family. Non-receptor class subfamily. Contains 1 tyrosine-protein phosphatase domain.                                                                             |
| <b>Post-translational modifications</b> | Phosphorylated on serine residues in resting T-cells. Phosphorylation increases upon exposure to stimuli that increase intracellular cAMP levels. Phosphorylation leads to dissociation of bound MAP kinases. |
| <b>Cellular localization</b>            | Cytoplasm.                                                                                                                                                                                                    |

**Images**

Paraffin-embedded human tonsil tissue stained for HePTP / PTPN7 using ab230004 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HePTP / PTPN7 antibody (ab230004)



Paraffin-embedded human liver cancer tissue stained for HePTP / PTPN7 using ab230004 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HePTP / PTPN7 antibody (ab230004)

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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