



Product datasheet

Anti-CXCL7/PBP antibody ab231102

7 Images

Overview

Product name	Anti-CXCL7/PBP antibody
Description	Rabbit polyclonal to CXCL7/PBP
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse
Immunogen	<p>Recombinant full length protein (His-T7-tag) corresponding to Mouse CXCL7/PBP aa 40-113. (Expressed in E.coli).</p> <p>Sequence:</p> <p>KSDGMDPYIELRCRCTNTISGIPFNSISLVNVYRPGVHCAD VEVIATLKN GQKTCLDPNAPGVKRVMKILEGY</p> <p>Database link: Q9EQI5</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	IHC-P: Mouse testis, lung and spleen tissues. WB: Mouse spleen and lung lysates; Mouse serum; Recombinant mouse CXCL7/PBP protein.
General notes	<p>Previously labelled as CXCL7.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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</p>

ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab231102 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab231102** 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		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 12 kDa.

Target

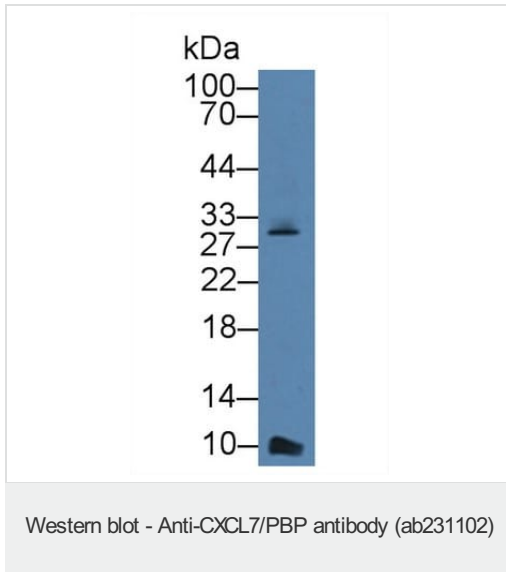
Function	LA-PF4 stimulates DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by human synovial cells. NAP-2 is a ligand for CXCR1 and CXCR2, and NAP-2, NAP-2(73), NAP-2(74), NAP-2(1-66), and most potent NAP-2(1-63) are chemoattractants and activators for neutrophils. TC-1 and TC-2 are antibacterial proteins, in vitro released from activated platelet alpha-granules. CTAP-III(1-81) is more potent than CTAP-III desensitize chemokine-induced neutrophil activation.
Sequence similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Post-translational modifications	Proteolytic removal of residues 1-9 produces the active peptide connective tissue-activating peptide III (CTAP-III) (low-affinity platelet factor IV (LA-PF4)). Proteolytic removal of residues 1-13 produces the active peptide beta-thromboglobulin, which is released from platelets along with platelet factor 4 and platelet-derived growth factor. NAP-2(1-66) is produced by proteolytical processing, probably after secretion by leukocytes other than neutrophils. NAP-2(73) and NAP-2(74) seem not be produced by proteolytical processing of secreted

precursors but are released in an active form from platelets.

Cellular localization

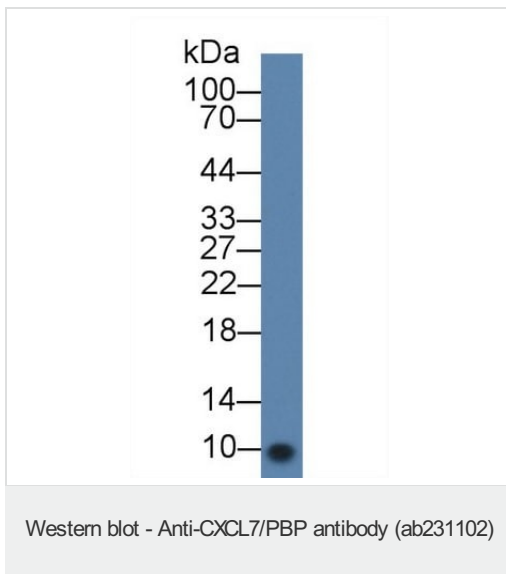
Secreted.

Images



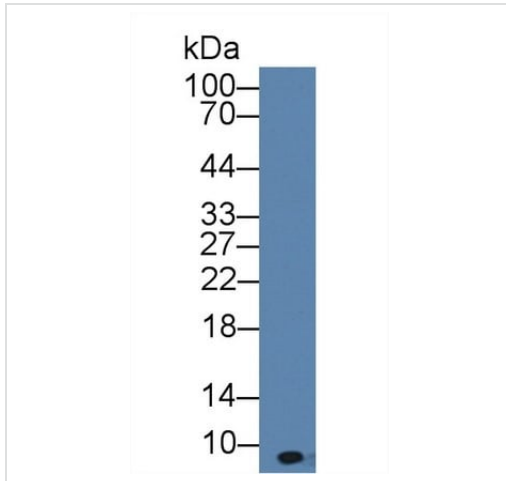
Anti-CXCL7/PBP antibody (ab231102) at 2 µg/ml + Mouse lung lysate

Predicted band size: 12 kDa



Anti-CXCL7/PBP antibody (ab231102) at 3 µg/ml + Mouse serum

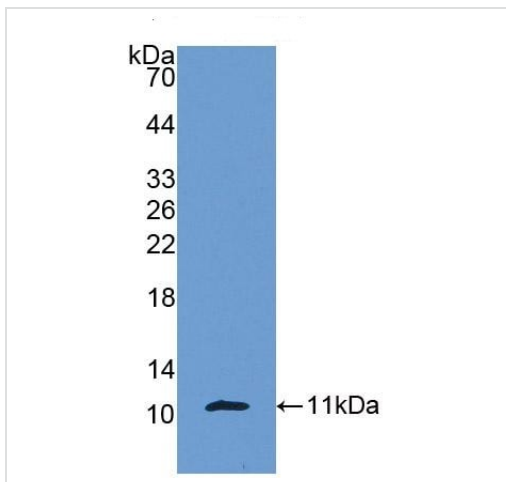
Predicted band size: 12 kDa



Western blot - Anti-CXCL7/PBP antibody (ab231102)

Anti-CXCL7/PBP antibody (ab231102) at 2 $\mu\text{g/ml}$ + Mouse spleen lysate

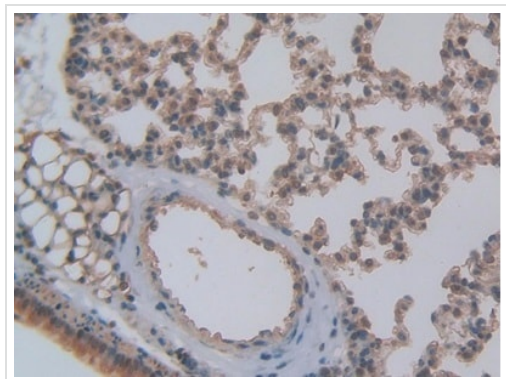
Predicted band size: 12 kDa



Western blot - Anti-CXCL7/PBP antibody (ab231102)

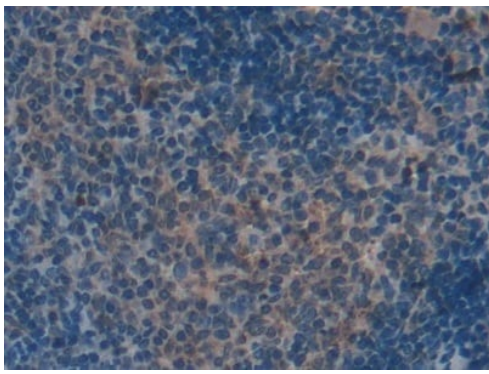
Anti-CXCL7/PBP antibody (ab231102) at 2 $\mu\text{g/ml}$ + Recombinant mouse CXCL7/PBP protein

Predicted band size: 12 kDa



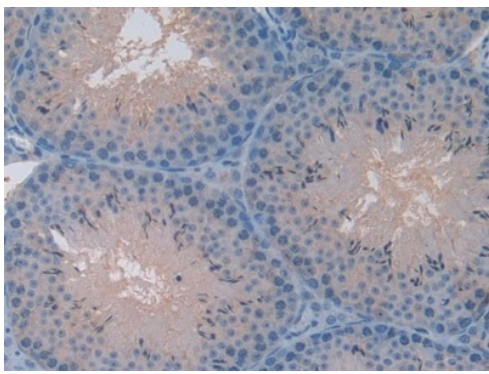
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CXCL7/PBP antibody (ab231102)

Formalin-fixed, paraffin-embedded mouse lung tissue stained for CXCL7/PBP using ab231102 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CXCL7/PBP antibody (ab231102)

Formalin-fixed, paraffin-embedded mouse spleen tissue stained for CXCL7/PBP using ab231102 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CXCL7/PBP antibody (ab231102)

Formalin-fixed, paraffin-embedded mouse testis tissue stained for CXCL7/PBP using ab231102 at 20 µg/ml in immunohistochemical analysis. DAB staining.

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

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