



Product datasheet

Anti-PGRPS antibody ab232728

4 Images

Overview

Product name	Anti-PGRPS antibody
Description	Rabbit polyclonal to PGRPS
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Rat PGRPS aa 1 to the C-terminus. Two N-terminal tags, (Expressed in E.coli). Database link: Q9JLN4
	<div>  Run BLAST with </div> <div>  Run BLAST with </div>
Positive control	WB: Human urine; Recombinant rat PGRPS protein. IHC-P: Rat spleen tissue. ICC/IF: HeLa cells.
General notes	<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&As</p>

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: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab232728 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 a concentration of 0.5 - 5 µg/ml.
ICC/IF		Use a concentration of 5 - 20 µg/ml.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function

Pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. Has bactericidal activity towards Gram-positive bacteria. May kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. Binds also to Gram-negative bacteria, and has bacteriostatic activity towards Gram-negative bacteria. Plays a role in innate immunity.

Tissue specificity

Highly expressed in bone marrow. Weak expression found in kidney, liver, small intestine, spleen, thymus, peripheral leukocyte, lung, fetal spleen and neutrophils.

Sequence similarities

Belongs to the N-acetylmuramoyl-L-alanine amidase 2 family.

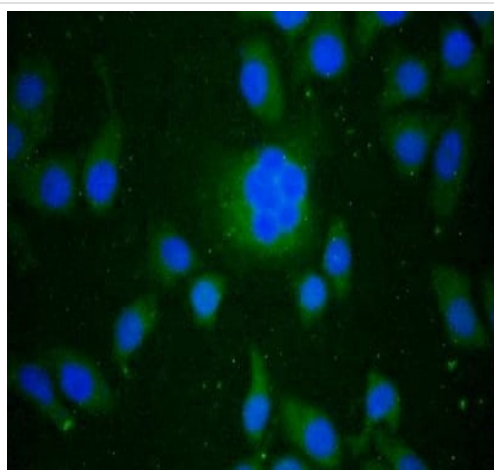
Post-translational modifications

N-glycosylated. N-glycosylation is required for bactericidal activity.

Cellular localization

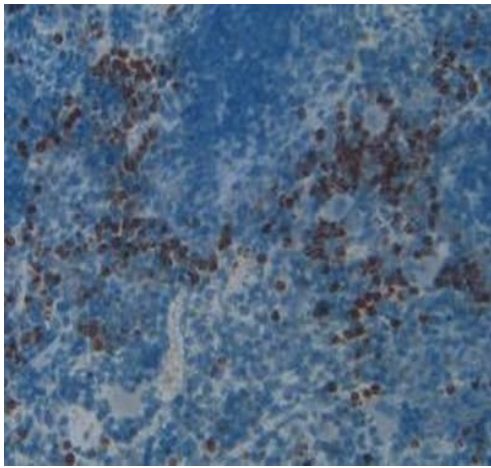
Secreted. Cytoplasmic granule.

Images



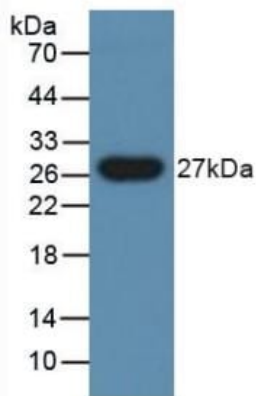
Paraformaldehyde-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for PGRPS using ab232728 at 20 µg/mL in ICC/IF. FITC staining.

Immunocytochemistry/ Immunofluorescence - Anti-PGRPS antibody (ab232728)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PGRPS antibody (ab232728)

Formalin-fixed, paraffin-embedded rat spleen tissue stained for PGRPS using ab232728 at 20 µg/mL in immunohistochemical analysis. DAB staining.

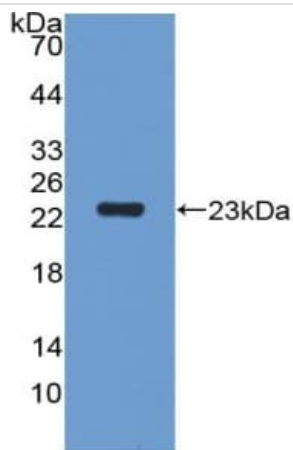


Western blot - Anti-PGRPS antibody (ab232728)

Anti-PGRPS antibody (ab232728) at 3 µg/ml + Human urine

Secondary

HRP-Linked Guinea pig anti-rabbit at 1/2000 dilution



Western blot - Anti-PGRPS antibody (ab232728)

Anti-PGRPS antibody (ab232728) at 3 µg/ml + Recombinant rat PGRPS protein

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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