



Rabbit Anti-Human AZU1 Polyclonal Antibody (CABT-L2135)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Polyclonal Antibody to Azurocidin 1 (Knockout Validated) |
| Specificity | The antibody is a rabbit polyclonal antibody raised against AZU1. It has been selected for its ability to recognize AZU1 in immunohistochemical staining and western blotting. |
| Target | AZU1 |
| Immunogen | Recombinant fragment corresponding to human AZU1 (Pro23~Gly247) |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Rat |
| Purification | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |
| Conjugate | Unconjugated |
| Applications | WB |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 200 µg |
| Buffer | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4. |
| Preservative | 0.05% Proclin-300 |

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| Storage | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| Ship | 4°C with ice bags |

BACKGROUND

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| Introduction | Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. The protein encoded by this gene is an azurophil granule antibiotic protein, with monocyte chemotactic and antimicrobial activity. It is also an important multifunctional inflammatory mediator. This encoded protein is a member of the serine protease gene family but it is not a serine proteinase, because the active site serine and histidine residues are replaced. The genes encoding this protein, neutrophil elastase 2, and proteinase 3 are in a cluster located at chromosome 19pter. All 3 genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation. [provided by RefSeq, Dec 2014] |
| Keywords | AZAMP;AZU;HBP;HUMAZUR;NAZC;CAP37;Cationic Antimicrobial Protein 37;Heparin-Binding Protein;Neutrophil Azurocidin |

GENE INFORMATION

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| Gene Name | AZU1 azurocidin 1 [Homo sapiens (human)] |
| Official Symbol | AZU1 |
| Synonyms | AZU1; azurocidin 1; AZU; HBP; NAZC; AZAMP; CAP37; HUMAZUR; azurocidin; neutrophil azurocidin; heparin-binding protein; cationic antimicrobial protein 37; cationic antimicrobial protein CAP37; |
| Entrez Gene ID | 566 |
| Protein Refseq | NP_001691 |
| UniProt ID | P20160 |
| Chromosome Location | 19p13.3 |
| Function | heparin binding; serine-type endopeptidase activity; toxic substance binding; |