



Rabbit Anti-Human Azurocidin/CAP37 monoclonal antibody, clone S532 (CABT- ZB528)

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

PRODUCT INFORMATION

Specificity	It reacts with Human Azurocidin/CAP37
Target	AZU1
Immunogen	Recombinant Human Azurocidin/CAP37 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S532
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect Azurocidin/CAP37 in antibody pair set. [ABPR-ZB104]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Azurocidin / CAP37.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Azurocidin (AZU1), also known as heparin-binding protein (HBP) or cationic antimicrobial protein 37 (CAP37), is an azurophil granule antibiotic protein, with monocyte chemotactic and antibacterial activity. The Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. Azurocidin is a member of the serine protease family that includes Cathepsin G, neutrophil elastase (NE), and proteinase 3 (PR3), however, Azurocidin is not a serine proteinase since the active site serine and histidine residues are replaced. Neutrophils arriving first at sites of inflammation release Azurocidin, which acts in a paracrine fashion on endothelial cells causing the development of intercellular gaps and allowing leukocyte extravasation. It thus be regarded as a reasonable therapeutic target for a variety of inflammatory disease conditions.
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Keywords	AZU1; azurocidin 1; azurocidin; AZAMP
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GENE INFORMATION

Synonyms	AZU1; azurocidin 1; azurocidin; AZAMP; AZU; CAP37; cationic antimicrobial protein 37; HBP; heparin binding protein; HUMAZUR; NAZC; neutrophil azurocidin; heparin-binding protein; cationic antimicrobial protein CAP37
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Entrez Gene ID	566
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UniProt ID	P20160
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