

Rabbit anti-Human AZU1 Polyclonal Antibody | anti-AZU1 antibody

AZU1 Antibody (Center)

CATALOG # AAA285652	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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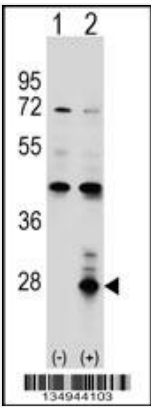
PRODUCT SYNONYMS

AZU1; Polyclonal Antibody; AZU1 Antibody (Center); Azurocidin; Cationic antimicrobial protein CAP37; Heparin-binding protein; HBP; anti-AZU1 antibody

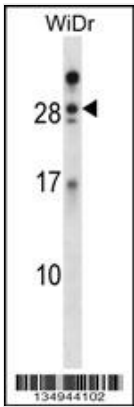
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AZU1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-96 amino acids from the Central region of human AZU1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	67-96
Sequence Length	251
Applicable Applications for anti-AZU1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of AZU1 (arrow) using rabbit polyclonal AZU1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the AZU1 gene.



WB (Western Blot)
AZU1 Antibody (Center) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the AZU1 antibody detected the AZU1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-AZU1 antibody	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 antibacterial 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.
Product Categories/Family for anti-AZU1 antibody	Cardiovascular; Immunology; Microbiology
References	Changho, S., et al. Pathol. Res. Pract. 206(5):314-317(2010) Linder, A., et al. J. Invest. Dermatol. 130(5):1365-1372(2010) Segat, L., et al. Vaccine 28(10):2201-2206(2010) Wilker, E., et al. Environ. Health Perspect. 117(6):935-940(2009) Di Gennaro, A., et al. FASEB J. 23(6):1750-1757(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11342670
NCBI GeneID	566
NCBI Accession #	NP_001691.1
NCBI GenBank Nucleotide #	NM_001700.3
UniProt Accession #	P20160; P80014; Q52LG4; Q9UCM1; Q9UCT5
Molecular Weight	26886
NCBI Official Full Name	azurocidin preproprotein
NCBI Official Synonym Full Names	azurocidin 1
NCBI Official Symbol	AZU1

NCBI Official Synonym Symbols	AZU; HBP; NAZC; AZAMP; CAP37; HUMAZUR
NCBI Protein Information	azurocidin
UniProt Protein Name	Azurocidin
UniProt Gene Name	AZU1
UniProt Synonym Gene Names	HBP
UniProt Entry Name	CAP7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/azu1-antibody-western-blot-elisa/285652>