

Azurocidin Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58680**Specification****Azurocidin Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	P20160
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26886

Azurocidin Polyclonal Antibody - Additional Information**Gene ID** 566**Other Names**

Azurocidin, Cationic antimicrobial protein CAP37, Heparin-binding protein, HBP, hHBP, AZU1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=913)
HGNC:913

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
E ~ N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Azurocidin Polyclonal Antibody - Protein Information**Name** AZU1 ([HGNC:913](#))**Function**

This is a neutrophil granule-derived antibacterial and monocyte- and fibroblast-specific chemotactic glycoprotein. Binds heparin. The cytotoxic action is limited to many species of Gram-negative bacteria; this specificity may be explained by a strong affinity of the very basic N-terminal half for the negatively charged lipopolysaccharides that are unique to the Gram-negative bacterial outer envelope. It may play a role in mediating recruitment of monocytes in the second wave of inflammation. Has antibacterial activity against the Gram-negative bacterium *P.aeruginosa*, this activity is inhibited by LPS from *P.aeruginosa*. Acting alone, it does not have antimicrobial activity against the Gram-negative bacteria *A.actinomycetemcomitans* ATCC 29532, *A.actinomycetemcomitans* NCTC 9709, *A.actinomycetemcomitans* FDC-Y4, *H.aphrophilus* ATCC 13252, *E.corrodens* ATCC 23834, *C.sputigena* ATCC 33123, *Capnocytophaga* sp ATCC 33124, *Capnocytophaga* sp ATCC 27872 or *E.coli* ML-35. Has antibacterial activity against *C.sputigena* ATCC 33123 when acting synergistically with either elastase or cathepsin G.

Cellular Location

Cytoplasmic granule membrane; Peripheral membrane protein; Cytoplasmic side. Note=Localizes to azurophil granules of neutrophil granulocytes. Also called primary granules, these specialized lysosomes of the neutrophil formed early during promyelocyte development store antibacterial proteins and peptides

Azurocidin Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Azurocidin Polyclonal Antibody - Images