

AZU1 Polyclonal Antibody

Catalog No.	A6132	Category	Polyclonal Antibodies
Applications	WB	Observed MW	35kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	26kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 27-251 of human AZU1 (NP_001691.1).
Gene ID	566
Swiss prot	P20160
Synonyms	AZU1; AZAMP; AZU; CAP37; HBP; HUMAZUR; NAZC; h HBP; azurocidin

Product information

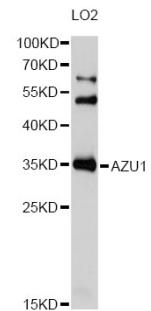
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. This gene encodes a preproprotein that is proteolytically processed to generate a mature 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.

Recommended Dilutions

WB 1:500 -
1:2000



Western blot - AZU1 Polyclonal Antibody (A6132)