

Product datasheet for TA359247

http tech

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OriGene Technologies, Inc.

Azurocidin (AZU1) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the middle region of human AZU1

Specificity: Expected reactivity: Cow, Horse, Human, Pig

Homology: Cow: 100%; Horse: 75%; Human: 100%; Pig: 85%

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 24kDa

Gene Name: azurocidin 1

Database Link: NP 001691.1

Entrez Gene 566 Human

P20160



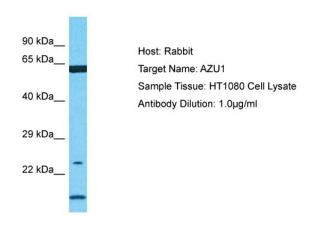
Background:

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.

Synonyms: AZAMP; AZU; CAP37; HBP; HUMAZUR; NAZC

Protein Families: Druggable Genome, Protease

Product images:



Host: Rabbit Target Name: AZU1

Sample Tissue: Human HT1080 Whole Cell

Antibody Dilution: 1ug/ml