

Datasheet for ABIN5515391 **anti-Azurocidin antibody (Middle Region)**



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Overview

Quantity:	100 µL
Target:	Azurocidin (AZU1)
Binding Specificity:	Middle Region
Reactivity:	Human, Cow, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Azurocidin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human AZU1
Sequence:	QSQNPGVSTV VLGAYDLRRR ERQSRQTFSI SSMSSENGYDP QQNLNDLMMLL
Predicted Reactivity:	Cow: 100%, Horse: 75%, Human: 100%, Pig: 85%
Characteristics:	This is a rabbit polyclonal antibody against AZU1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Azurocidin (AZU1)
Alternative Name:	AZU1 (AZU1 Products)
Background:	Azuophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins

Target Details

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.

Alias Symbols: AZU, HBP, NAZC, hHBP, AZAMP, CAP37, HUMAZUR

Protein Size: 226

Gene ID:	566
NCBI Accession:	NM_001700 , NP_001691
UniProt:	P20160

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	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.