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Datasheet for ABIN7145136

anti-Azurocidin antibody (AA 27-251)

3 Images

Overview

Quantity:	100 µL
Target:	Azurocidin (AZU1)
Binding Specificity:	AA 27-251
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Azurocidin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Azurocidin protein (27-251AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity purified

Target Details

Target:	Azurocidin (AZU1)
Alternative Name:	AZU1 (AZU1 Products)
Background:	Background: This is a neutrophil granule-derived antibacterial and monocyte- and fibroblast-specific chemotactic glycoprotein. Binds heparin. The cytotoxic action is limited to many

Target Details

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.

Aliases: Azu 1 antibody, AZU1 antibody, Azurocidin antibody, CAP37 antibody, CAP7_HUMAN antibody, Cationic antimicrobial protein 37 antibody, Cationic antimicrobial protein CAP37 antibody, HBP antibody, Heparin binding protein antibody, Heparin-binding protein antibody, HUMAZUR antibody, Neutrophil azurocidin antibody

UniProt: [P20160](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

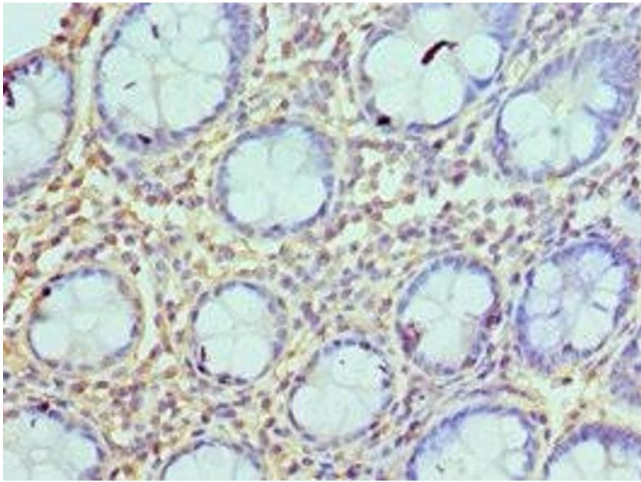
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

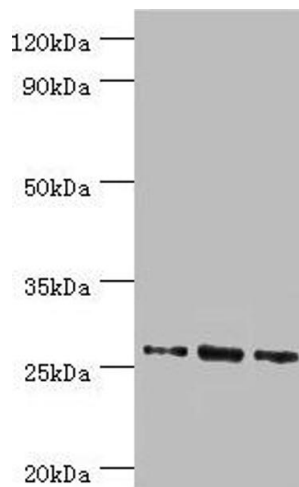
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



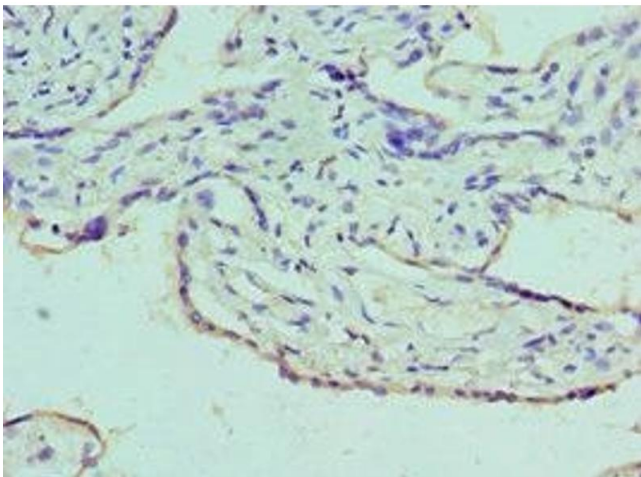
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon tissue using ABIN7145136 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Azurocidin antibody at 1 μ g/mL Lane 1: 293T whole cell lysate Lane 2: Mouse spleen tissue Lane 3: Mouse thymus tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 27 kDa Observed band size: 27 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7145136 at dilution of 1:100