

## Datasheet for ABIN7467480 **anti-Grancalcin antibody**



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### Overview

Quantity:	100 µL
Target:	Grancalcin (GCA)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Grancalcin antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Grancalcin. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	Grancalcin (GCA)
Alternative Name:	grancalcin ( <a href="#">GCA Products</a> )
Background:	Grancalcin , GCL, This gene product, grancalcin, is a calcium-binding protein abundant in neutrophils and macrophages. It belongs to the penta-EF-hand subfamily of proteins which includes sorcin, calpain, and ALG-2. Grancalcin localization is dependent upon calcium and

## Target Details

magnesium. In the absence of divalent cation, grancalcin localizes to the cytosolic fraction, with magnesium alone, it partitions with the granule fraction, and in the presence of magnesium and calcium, it associates with both the granule and membrane fractions, suggesting a role for grancalcin in granule-membrane fusion and degranulation. [provided by RefSeq]

Molecular Weight: 24 kDa

Gene ID: 25801

UniProt: [P28676](#)

## Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.  
Not tested in other applications.

Comment: Positive Control: U87-MG

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.99 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.