

Datasheet for ABIN6719568
anti-Grancalcin antibody (AA 42-217)



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Overview

Quantity:	100 µg
Target:	Grancalcin (GCA)
Binding Specificity:	AA 42-217
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Grancalcin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Grancalcin/GCA detection. Tested with WB, Direct ELISA in Human, Mouse, Rat.
Immunogen:	E. coli-derived human Grancalcin/GCA recombinant protein (Position: A42-I217).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Grancalcin/GCA detection. Tested with WB, Direct ELISA in Human, Mouse, Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	Grancalcin (GCA)
Alternative Name:	GCA (GCA Products)
Background:	<p>Synonyms: Grancalcin, GCA, GCL</p> <p>Background: Grancalcin is a protein that in humans is encoded by the GCA gene. This gene is mapped to 2q24.2. 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 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.</p>
Gene ID:	25801
UniProt:	P28676

Application Details

Application Notes:	Application details: Western blot 0.1-0.5 µg/mL Direct ELISA 0.1-0.5 µg/mL
Comment:	Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
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:	4 °C, -20 °C
Storage Comment:	<p>At -20°C for one year. After reconstitution, at 4°C for one month.</p> <p>It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.</p>