Datasheet for ABIN361185

# anti-Granulin antibody (Internal Region)

2 Images

Go to Product page

## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | Granulin (GRN) |
| Binding Specificity: | Internal Region |
| Reactivity: | Human |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This Granulin antibody is un-conjugated |
| Application: | ELISA, Immunofluorescence (IF) |

## Product Details

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|---|---|
| Purpose: | Granulin / GRN |
| Immunogen: | Peptide with sequence QSKCLSKENATTD , from the internal region of the protein sequence according to NP_002078.1. |
| Sequence: | QSKCLSKENA TTD |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade: | Verified |

## Target Details

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|---|---|
| Target: | Granulin (GRN) |
| Alternative Name: | GRN (GRN Products) |
| Target Type: | Viral Protein |
| Background: | GRN, granulin, GEP, GP88, PCDGF, PEPI, PGRN, PC cell-derived growth factor, acrogranin, granulin-epithelin, proepithelin, progranulin |
| Gene ID: | 2896 |
| NCBI Accession: | NP_002078 |

## Application Details

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| Application Notes: | Western Blot: Preliminary experiments showed a band at approx 65 kDa in Human Bone Marrow and Testes lysates after 2 µg/mL antibody staining (calculated MW of 63.5 kDa according to NP_002078.1). Primary incubation 1 hour at room temperature.<br>Peptide ELISA: antibody detection limit dilution 1:1000. |
| Comment: | **Immunofluorescence:** Strong expression of the protein seen in the vesicles/cytoplasm of HeLa cells. Recommended concentration: 10µg/ml. |
| Restrictions: | For Research Use only |

## Handling

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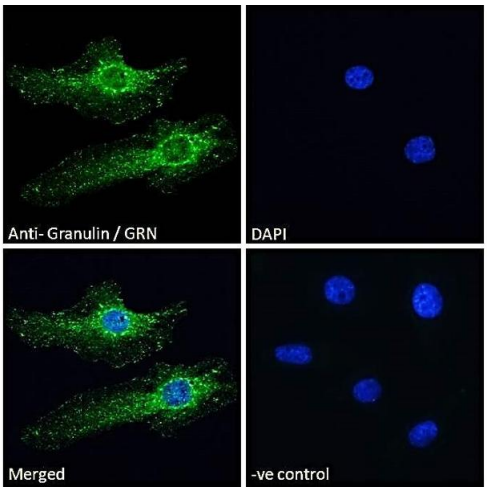
|---|---|
| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Buffer: | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Minimize freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |




## Immunofluorescence

**Image 1.** ABIN361185 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing ER/vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).


**Image 2.** EB08934 (1µg/ml) staining of HeLa lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.