


Product datasheet

Anti-Granulin antibody ab169325

2 Images

Overview

Product name	Anti-Granulin antibody
Description	Mouse polyclonal to Granulin
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee 
Immunogen	Full length protein, corresponding to amino acids 1-593 of Human Granulin (NP_002078). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Granulin transfected 293T cell lysate; HeLa cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab169325** in the following tested applications.

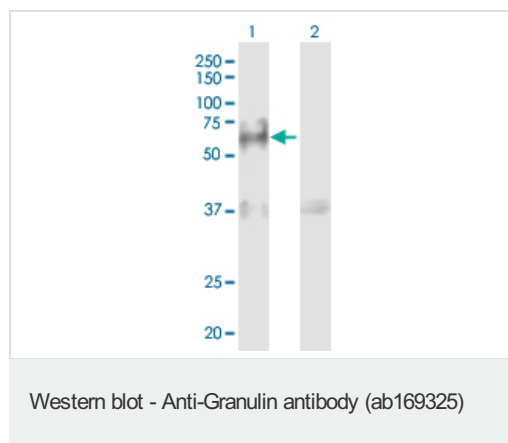
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 64 kDa.
ICC/IF		Use a concentration of 10 µg/ml. Antibody purification with Protein A will be needed prior to use.

Target

Function	Granulins have possible cytokine-like activity. They may play a role in inflammation, wound repair, and tissue remodeling. Granulin-4 promotes proliferation of the epithelial cell line A431 in culture while granulin-3 acts as an antagonist to granulin-4, inhibiting the growth.
Tissue specificity	In myelogenous leukemic cell lines of promonocytic, promyelocytic, and proerythroid lineage, in fibroblasts, and very strongly in epithelial cell lines. Present in inflammatory cells and bone marrow. Highest levels in kidney.
Involvement in disease	Defects in GRN are the cause of ubiquitin-positive frontotemporal dementia (UP-FTD) [MIM:607485]; also known as tau-negative frontotemporal dementia linked to chromosome 17. Frontotemporal dementia (FTD) is the second most common cause of dementia in people under the age of 65 years. It is an autosomal dominant neurodegenerative disease.
Sequence similarities	Belongs to the granulin family.
Post-translational modifications	Granulins are disulfide bridged.
Cellular localization	Secreted.

Images



All lanes : Anti-Granulin antibody (ab169325) at 1/500 dilution

Lane 1 : Granulin transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

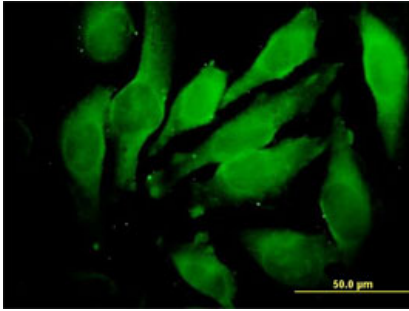
Lysates/proteins at 15 μ l per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 64 kDa



Immunofluorescent analysis of permeabilized HeLa cells labeling Granulin with purified ab169325 at 10µg/ml.

Antibody purification with Protein A will be needed prior to use.

Immunocytochemistry/ Immunofluorescence - Anti-Granulin antibody (ab169325)

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