

## Product datasheet

# Anti-GRASP65 antibody [4F8] ab117932

[2 Images](#)

### Overview

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<b>Product name</b>	Anti-GRASP65 antibody [4F8]
<b>Description</b>	Mouse monoclonal [4F8] to GRASP65
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length Human GRASP65 produced in HEK293T cells (NP_114105).
<b>Positive control</b>	HEK293T cell lysate transfected with pCMV6-ENTRY GRASP65 cDNA; COS7 cells transiently transfected by pCMV6-ENTRY GRASP65.
<b>General notes</b>	Stable for 12 months from date of receipt.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 1% BSA, 50% Glycerol
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	ab117932 is purified from Mouse ascites fluids by affinity chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	4F8
<b>Isotype</b>	IgG2b

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab117932** in the following tested applications.

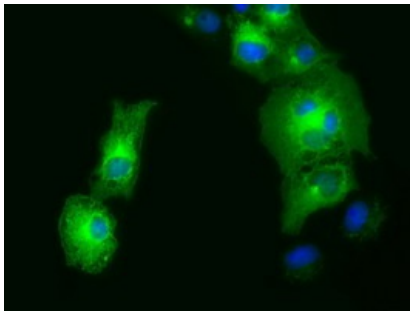
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 46 kDa.
ICC/IF		1/100.

## Target

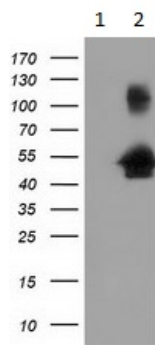
<b>Function</b>	Stacking factor involved in the postmitotic assembly of Golgi stacks from mitotic Golgi fragments. Key structural protein required for the maintenance of the Golgi apparatus integrity: its caspase-mediated cleavage is required for fragmentation of the Golgi during apoptosis. Also mediates, via its interaction with GM130, the docking of transport vesicles with the Golgi membranes.
<b>Sequence similarities</b>	Belongs to the GORASP family. Contains 1 PDZ (DHR) domain.
<b>Post-translational modifications</b>	Phosphorylated by CDC2/B1 and PLK kinases during mitosis. Phosphorylation cycle correlates with the cisternal stacking cycle. Phosphorylation of the homodimer prevents the association of dimers into higher order oligomers, leading to cisternal unstacking. Target for caspase-3 cleavage during apoptosis. The cleavage contributes to Golgi fragmentation and occurs very early in the execution phase of apoptosis.
<b>Cellular localization</b>	Golgi apparatus > cis-Golgi network membrane. Undergoes rapid exchange with the cytosol.

## Images



ab117932 at 1/100 dilution staining GRASP65 in COS7 cells transiently transfected by pCMV6-ENTRY GRASP65 by Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-GRASP65 antibody [4F8] (ab117932)



Western blot - Anti-GRASP65 antibody [4F8]  
(ab117932)

**All lanes :** Anti-GRASP65 antibody [4F8]  
(ab117932) at 1/2000 dilution

**Lane 1 :** HEK293T cell lysate transfected with  
pCMV6-ENTRY control cDNA

**Lane 2 :** HEK293T cell lysate transfected with  
pCMV6-ENTRY GRASP65 cDNA

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 46 kDa

HEK293T cell lysates were generated from  
transient transfection of the cDNA clone  
(RC200828)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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