



## Product datasheet

# Anti-GORASP2/GRASP55 antibody [CL2610] ab211532

★★★★☆ 3 Abreviews 10 Images

### Overview

<b>Product name</b>	Anti-GORASP2/GRASP55 antibody [CL2610]
<b>Description</b>	Mouse monoclonal [CL2610] to GORASP2/GRASP55
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ICC, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	<p>Recombinant fragment corresponding to Human GORASP2/GRASP55 aa 380-452. Sequence:</p> <p>SGELLSSLPPTSNAPSDPATTAKADAASSLTVDVTPTA KAPTTVEDRV GDSTPVSEKPVSAAVDANASESP</p> <p>Database link: <a href="#">Q9H8Y8</a></p> <p style="text-align: right;">  <a href="#">Run BLAST with</a>                 <a href="#">Run BLAST with</a> </p>
<b>Epitope</b>	Binds to an epitope located within the peptide sequence DAASSLTVDVTPTA (aa 405-412) as determined by overlapping synthetic peptides.
<b>Positive control</b>	WB: U251 cell line lysate; IHC-P: Human prostate, epididymis, and endometrium tissues; ICC: HeLa, A431, MCF7, U2OS and U251 cells.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team</p>

ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	CL2610
<b>Isotype</b>	IgG2b

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab211532** 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
ICC		Use a concentration of 2 - 10 µg/ml. Fixation/Permeabilization: PFA/Triton X-100
IHC-P		1/5000 - 1/10000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★	Use a concentration of 1 µg/ml. Predicted molecular weight: 47 kDa.

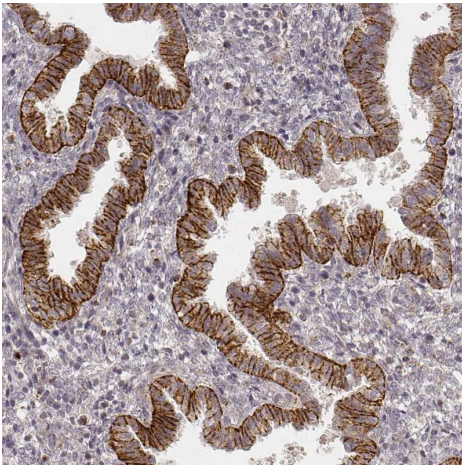
## Target

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<b>Function</b>	May be involved in assembly and membrane stacking of the Golgi cisternae, and in the process by which Golgi stacks reform after mitotic breakdown. May regulate the intracellular transport and presentation of a defined set of transmembrane proteins, such as transmembrane TGFA.
<b>Sequence similarities</b>	Belongs to the GORASP family. Contains 1 PDZ (DHR) domain.
<b>Post-translational modifications</b>	Myristoylated. Myristoylation is essential for the Golgi targeting. Palmitoylated. Phosphorylated in mitotic cells.
<b>Cellular localization</b>	Golgi apparatus membrane.

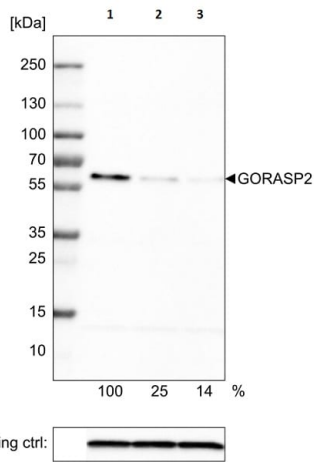
## Images

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human endometrium tissue labelling GORASP2/GRASP55 with ab211532 at 1/5000 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

**All lanes :** Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

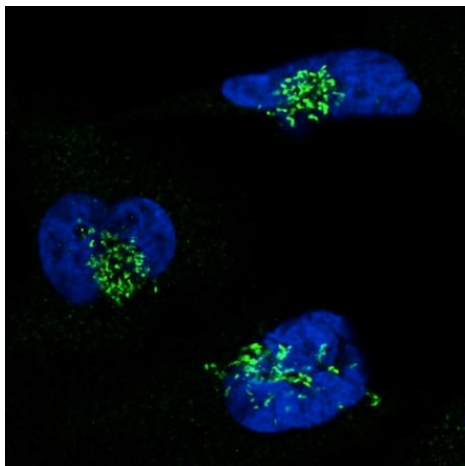
**Lane 1 :** U-251 cells, transfected with control siRNA

**Lane 2 :** U-251 cells, transfected with target specific siRNA probe #1

**Lane 3 :** U-251 cells, transfected with target specific siRNA probe #2

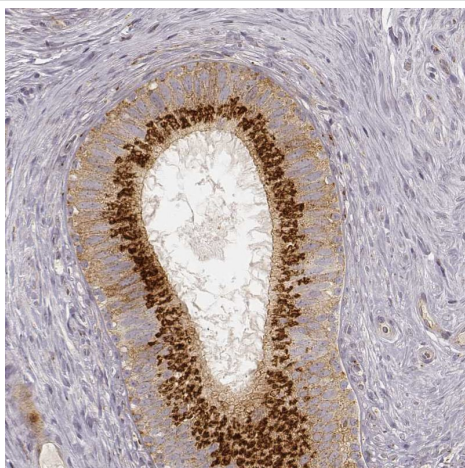
**Predicted band size:** 47 kDa

Downregulation of antibody signal confirms target specificity. Remaining % intensity, relative control lane, is indicated. Anti-PPIB monoclonal antibody was used as loading control.



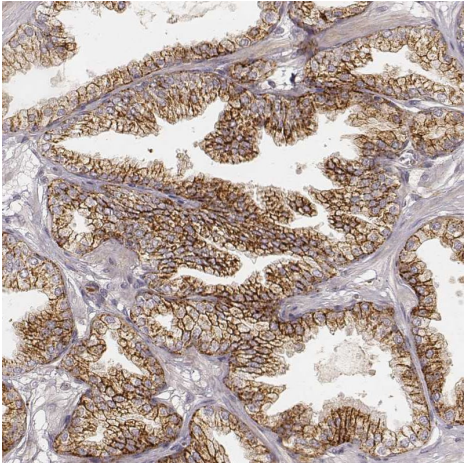
Immunocytochemistry - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

Immunofluorescent analysis of U251 cells (PFA-fixed/Triton X-100 permeabilized) labeling GORASP2 with ab211532 at 4  $\mu\text{g/ml}$  dilution (green). Microtubule- and nuclear probes are visualized in red and blue respectively.



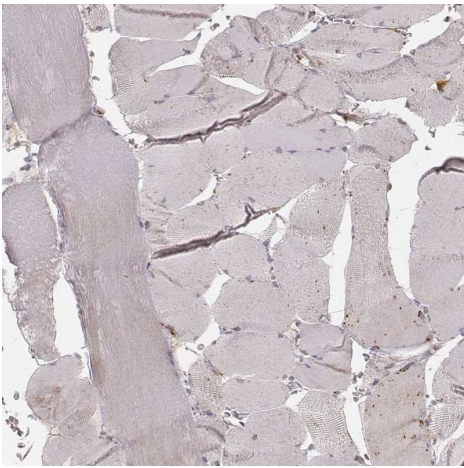
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human epididymis tissue labelling GORASP2/GRASP55 with ab211532 at 1/5000 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



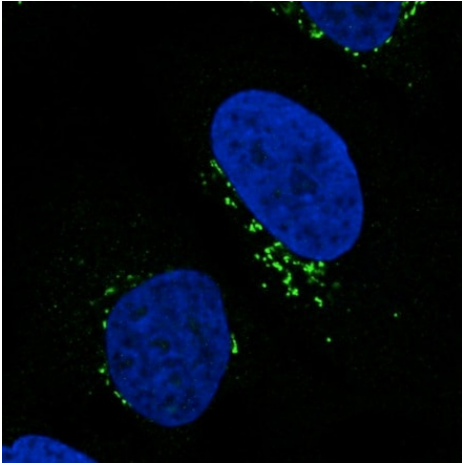
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate tissue labelling GORASP2/GRASP55 with ab211532 at 1/5000 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



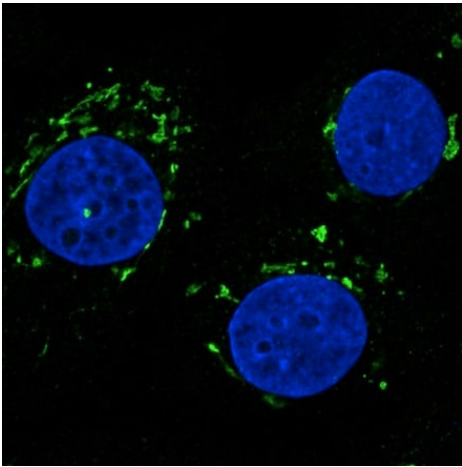
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skeletal muscle tissue labelling GORASP2/GRASP55 with ab211532 at 1/5000 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



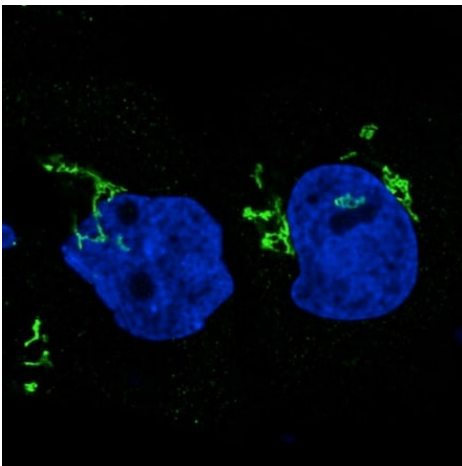
Immunocytochemistry - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

Immunofluorescent analysis of U2OS cells (PFA-fixed/Triton X-100 permeabilized) labeling GORASP2 with ab211532 at 4  $\mu\text{g/ml}$  dilution (green). Microtubule- and nuclear probes are visualized in red and blue respectively.



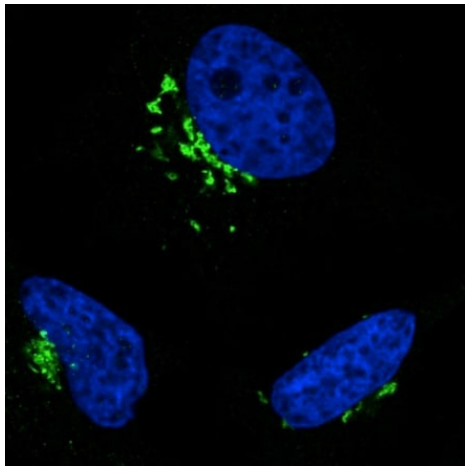
Immunocytochemistry - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

Immunofluorescent analysis of MCF7 cells (PFA-fixed/Triton X-100 permeabilized) labeling GORASP2 with ab211532 at 4  $\mu\text{g/ml}$  dilution. Microtubule- and nuclear probes are visualized in red and blue respectively.



Immunocytochemistry - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

Immunofluorescent analysis of A431 cells (PFA-fixed/Triton X-100 permeabilized) labeling GORASP2 with ab211532 at 4  $\mu\text{g/ml}$  dilution. Microtubule- and nuclear probes are visualized in red and blue respectively.



Immunofluorescent analysis of HeLa cells (PFA-fixed/Triton X-100 permeabilized) labeling GORASP2 with ab211532 at 4  $\mu\text{g/ml}$  dilution. Microtubule- and nuclear probes are visualized in red and blue respectively.

Immunocytochemistry - Anti-GORASP2/GRASP55 antibody [CL2610] (ab211532)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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