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Datasheet for ABIN1697904

## anti-GORASP2 antibody (AA 151-250) (AbBy Fluor® 555)

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | GORASP2  |
| Binding Specificity: | AA 151-250   |
| Reactivity:          | Mouse, Xenopus laevis  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This GORASP2 antibody is conjugated to AbBy Fluor® 555   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Golgi phosphoprotein 6 |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Mouse, Xenopus laevis  |
| Predicted Reactivity: | Human,Rat,Cow,Sheep,Pig,Horse,Rabbit,Zebrafish                             |
| Purification:         | Purified by Protein A.   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | GORASP2   |
| Alternative Name: | Golgi phosphoprotein 6 ( <a href="#">GORASP2 Products</a> ) |

## Target Details

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**Background:** Synonyms: Golgi phosphoprotein 6, Golgi reassembly stacking protein 2, Golgi reassembly stacking protein 2, 55 kDa, Golgi reassembly stacking protein of 55 kDa, Golgi reassembly-stacking protein 2, Golgi reassembly-stacking protein of 55 kDa, GOLPH2, GOLPH6, GORASP2, GORS2\_HUMAN, GRASP55, GRS2, p59, RP23-428015.1.

**Background:** The Golgi apparatus is a highly complex organelle comprised of a stack of cisternal membranes on the secretory pathway from the ER to the cell surface. The structure is maintained by an exoskeleton or Golgi matrix constructed from a family of coiled-coil protein, the golgins and other peripheral membrane components such as GRASP55 and GRASP65 (1). GRASP55 (Golgi reassembly stacking protein or p59) is a component of the Golgi stacking machinery. GRASP55 is highly homologous to GRASP65 and contains two PDZ domains. GRASP55 is myristoylated and palmitoylated. Unlike GRASP65, GRASP55 does not have detectable binding with the vesicle docking protein GM130 and is located on the medial-Golgi rather than cis-Golgi. Both GRASP55 and GRASP65 function in the stacking of Golgi Cisternae (2,3). The novel coiled-coil protein golgin 45 interacts with GRASP55 and the GTP form of Rab 2, suggesting that GRASP55 and golgin 45 form a Rab 2 effector complex on medial-Golgi essential for normal protein transport and Golgi structure (4). ERK2 directly phosphorylates GRASP55, which is phosphorylated in mitotic cells, suggesting that mitogen-activated protein kinase kinase (MKK)/ERK pathway phosphorylates the Golgi during mitosis (5).

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**Gene ID:** 26003

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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## Handling

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handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months