

Datasheet for ABIN2784225
anti-COG5 antibody (N-Term)

2 Images

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Overview

| | |
|----------------------|-----------------------|
| Quantity: | 100 µL |
| Target: | COG5 |
| Binding Specificity: | N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human COG5 |
| Sequence: | MGWVGRRRD SASPPGRSRS AADDINPAPA NMEGGGGSVA VAGLGARGSG |
| Predicted Reactivity: | Human: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against COG5. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

| | |
|-------------------|--|
| Target: | COG5 |
| Alternative Name: | COG5 (COG5 Products) |
| Background: | COG5 is required for normal Golgi function. Multiprotein complexes are key determinants of |

Target Details

Golgi apparatus structure and its capacity for intracellular transport and glycoprotein modification. Several complexes have been identified, including the Golgi transport complex (GTC), the LDLC complex, which is involved in glycosylation reactions, and the SEC34 complex, which is involved in vesicular transport. These 3 complexes are identical and have been termed the conserved oligomeric Golgi (COG) complex, which includes COG5 (Ungar et al., 2002 [PubMed 11980916]).[supplied by OMIM].

Alias Symbols: GOLTC1, GTC90, CDG2I

Protein Interaction Partner: UBC, COG7, EGFR, VCP, COG8, COG3, COG6, COG4, COG2, COG1, TRAF5, Poc1b, Nek9, RAC1, APC, MEFV,

Protein Size: 860

Molecular Weight: 95 kDa

Gene ID: 10466

NCBI Accession: [NM_006348](#), [NP_006339](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 860 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

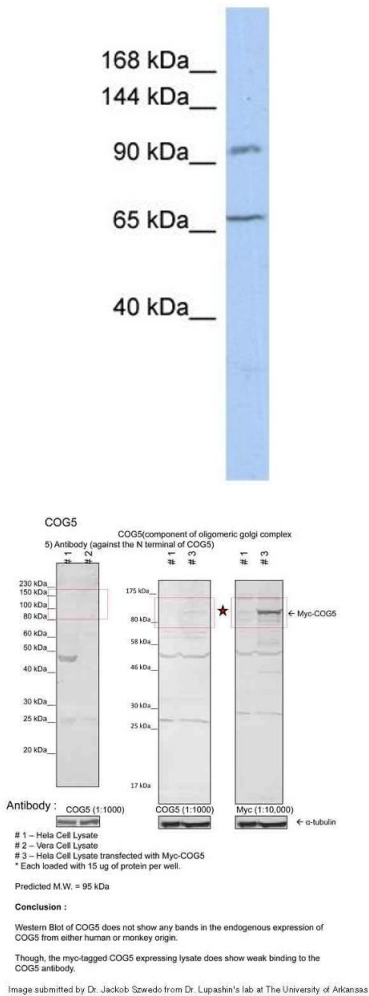
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-COG5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: THP-1 cell lysate

Western Blotting

Image 2. Sample Type: 1. Human Cervical Cancer Cell Lysate (15ug)
2. Monkey Fibroblast Cell Lysate (15ug)
3. Human Cervical Cancer Cell transfected with Myc-COG4 (15ug)

Primary Dilution: 1:1000

Secondary Antibody: goat anti-Rabbit

Secondary Dilution: 1:40,000

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