# .-online.com antibodies

## Datasheet for ABIN2786106 anti-COG4 antibody (Middle Region)

2 Images

1 Publication



#### Overview

Quantity:	100 μL	
Target:	COG4	
Binding Specificity:	Middle Region	
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse, Zebrafish (Danio rerio)	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This COG4 antibody is un-conjugated	
Application:	Western Blotting (WB)	

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human COG4	
Sequence:	TSLVAVELEK VVLKSTFNRL GGLQFDKELR SLIAYLTTVT TWTIRDKFAR	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%	
Characteristics:	This is a rabbit polyclonal antibody against COG4. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
Target:	COG4	

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN2786106 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Alternative Name:	COG4 (COG4 Products)	
Background:	COG4 (COG4 Products) Multiprotein complexes are key determinants of 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 COG4.Multiprotein complexes are key determinants of 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 COG4 (Ungar et al., 2002 [PubMed 11980916]).[supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-265 AK096557.1 1-265 266-555 BP282697.1 230-519 556-1072 AU125729.1 34-550 1073-2838 AL050101.1 375-2140 Alias Symbols: COD1, DKFZp586E1519, CDG2J Protein Interaction Partner: UBC, EGFR, COG6, VCP, COG7, COG8, COG3, COG5, COG1, RPS20, CUL4B, SEPT2, APC, COG2, Protein Size: 789	
Molecular Weight:	89 kDa	
Gene ID:	25839	
NCBI Accession:	NM_015386, NP_056201	
UniProt:	Q9H9E3	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 789 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN2786106 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

### Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
	SUCIOSE.
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.
Publications	
Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor,
	Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha,
	Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass
	spectrometry" in: Molecular systems biology, Vol. 3, pp. 89, (2007) (PubMed).

#### Images

COG4 #1 COG4(component of oligomenic golgi complex 4) Antibody (against the middle region of COG4) T OL OF T OL OF T T T T T T T T T T T T T T T T T T T	Western Blotting
135 kou ← ky_ococc4	Image 1. Sample Type: 1. Human Cervical Cancer Cel
58100 46100	Lysate (15ug)
2010s_ 2510s_	2. Monkey Fibroblast Cell Lysate (15ug)
17404_	3. Human Cervical Cancer Cell transfected with GFP-COG
COG4 #1 (1:1000) Myc (1: 5.000) I – Hels Cell Lysate ← c-tubulin	(15ug)
2 - Vera Cel Lysate 3 - Hela Cell Lysate transfected with GFP-COG4 Each taeded with 15 tay of protein per well. velicied M.W. = 89 kDa	Primary Dilution: 1:1000
anclusion : he repeat Western Blot of COC4#1 tild show fant endogenous COG4 expressing hords in both species. This was confirmed with My-Lagged hCOG4 expressing band at corresponde only to the Max entitious.	Secondary Antibody: goat anti-Rabbit
e Contesponded unity to the regional analogy. ge Submitted by: Dr. Jackob Szwedo from Dr. Lupitshin's lab at The University of Arkansas	Secondary Dilution: 1:40,000
	Image Submitted by: Dr. Jakob Szwedo, Dr. Lupashin's Lab
	University of Arkansas for Medical Sciences.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN2786106 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

