ThermoFisher
SCIENTIFIC

Website: thermofisher.com
Customer Service (US): 1 800 955 6288 ext. 1
Technical Support (US): 1 800 955 6288 ext. 441
thermofisher.com/contactus

Performance
guaranteed

ACBD3 Polyclonal Antibody
Catalog Number　　**PA5-20829**　　　　　　　　　　　　　　　　　　**Product data sheet**

Details

Size	100 µg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	A 16 amino acid peptide from near the amino terminus of human GOLPH1.
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C

Species Reactivity

Species reactivity	Human

Tested Applications	**Dilution ***
Western Blot (WB)	1-2 µg/mL

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

A suggested positive control is K562 cell lysate. PA5-20829 can be used with blocking peptide PEP-0943.
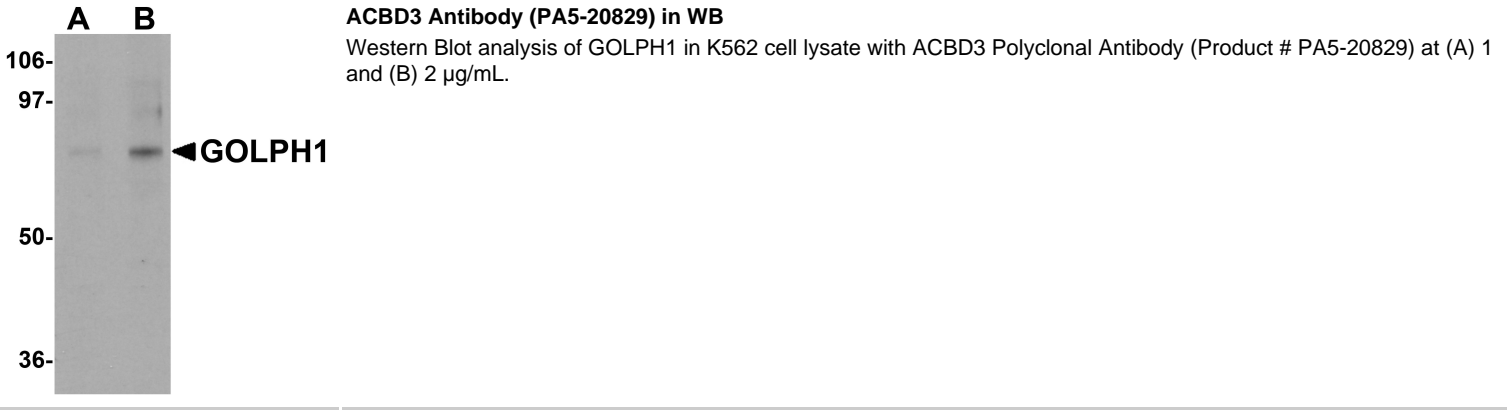
Background/Target Information

GOLPH1, also known as GCP60, was initially identified as a Golgi protein that can interact with the integral membrane protein giantin and is thought to be involved in the maintenance of the Golgi structure. GOLPH1 has also been shown to interact with other Golgi proteins such as Golgin-160, a Golgi protein that can be cleaved by caspases-2, -3, and -7, leading to the nuclear localization of Golgin-160. GOLPH1 interaction with the Golgin-160 fragments is stronger than that with the intact Golgin-160, with its interaction regulated by the oxidation state of Cys-463 within GOLPH1, suggesting that the nuclear localization of the caspase-cleaved Golgin-160 fragments is a highly coordinated event. GOLPH1 has also been found to interact with Numb, a cytosolic signaling protein that mediates asymetric cell division of neural progenitor cells to a daughter progenitor cell and a neuron, suggesting that Golgi fragmentation and reconstition during the cell cycle differentially regulate Numb signaling through changes in GOLPH1 subcellular distribution and may couple cell fate with cell cycle progression.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Thermo Fisher Scientific
3747 N. Meridian Road
Rockford, IL 61105 USA

thermofisher.com/contactus

ThermoFisher
SCIENTIFIC

A   B

ACBD3 Antibody (PA5-20829) in WB

Western Blot analysis of GOLPH1 in K562 cell lysate with ACBD3 Polyclonal Antibody (Product # PA5-20829) at (A) 1 and (B) 2 µg/mL.

106-
97-

◄**GOLPH1**

50-

36-

Thermo Fisher Scientific
3747 N. Meridian Road
Rockford, IL 61105 USA

thermofisher.com/contactus

Thermo Fisher
S C I E N T I F I C