

GCP60 / ACBD3 Antibody (clone 2G2)
Mouse Monoclonal Antibody
Catalog # ALS15995**Specification**

GCP60 / ACBD3 Antibody (clone 2G2) - Product Information

Application	WB, IF, E, IHC-F
Primary Accession	Q9H3P7
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	61kDa KDa
Dilution	WB~~1:1000 IF~~1:50~200 E~~N/A IHC-F~~N/A

GCP60 / ACBD3 Antibody (clone 2G2) - Additional Information**Gene ID** 64746**Other Names**

Golgi resident protein GCP60, Acyl-CoA-binding domain-containing protein 3, Golgi complex-associated protein 1, GOCAP1, Golgi phosphoprotein 1, GOLPH1, PBR- and PKA-associated protein 7, Peripheral benzodiazepine receptor-associated protein PAP7, ACBD3, GCP60, GOCAP1, GOLPH1

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

GCP60 / ACBD3 Antibody (clone 2G2) is for research use only and not for use in diagnostic or therapeutic procedures.

GCP60 / ACBD3 Antibody (clone 2G2) - Protein Information**Name** ACBD3**Synonyms** GCP60, GOCAP1, GOLPH1**Function**

Involved in the maintenance of Golgi structure by interacting with giantin, affecting protein transport between the endoplasmic reticulum and Golgi (PubMed:11590181). Involved in hormone-induced steroid biosynthesis in testicular Leydig cells (By similarity). Recruits PI4KB to the Golgi apparatus membrane; enhances the enzyme activity of PI4KB activity via its membrane recruitment thereby increasing the local concentration of the substrate in the vicinity of the kinase (PubMed:27009356).

Cellular Location

Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Mitochondrion.
Note=Also mitochondrial (via its interaction with PBR).

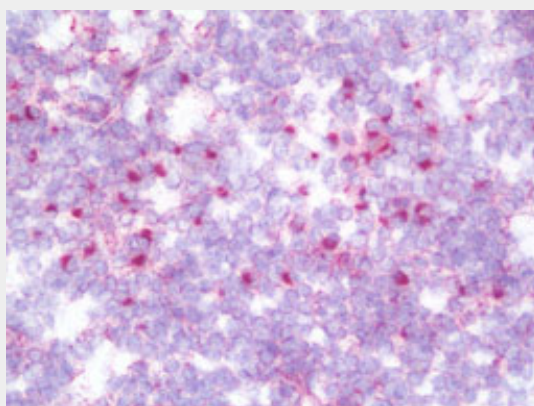
Tissue Location

Ubiquitous, with highest expression in testis and ovary.

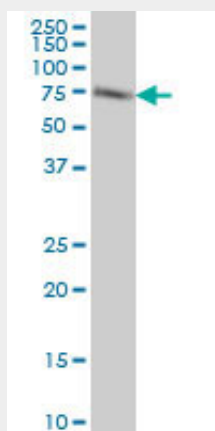
GCP60 / ACBD3 Antibody (clone 2G2) - Protocols

Provided below are standard protocols that you may find useful for product applications.

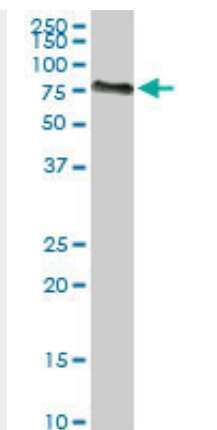
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GCP60 / ACBD3 Antibody (clone 2G2) - Images

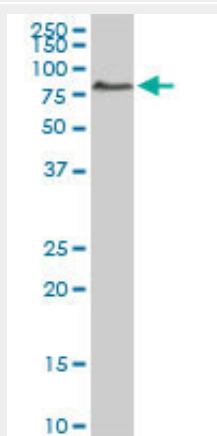
IHC with ACBD3 antibody on frozen human tonsil.



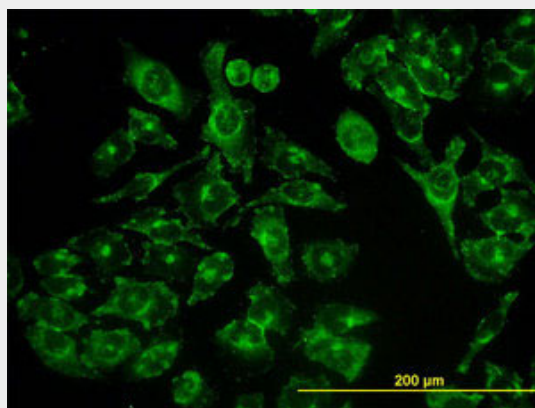
ACBD3 monoclonal antibody, clone 2G2 Western blot of ACBD3 expression in HeLa.



ACBD3 monoclonal antibody, clone 2G2. Western blot of ACBD3 expression in Raw 264.7.



ACBD3 monoclonal antibody, clone 2G2. Western blot of ACBD3 expression in NIH/3T3.



Immunofluorescence of monoclonal antibody to ACBD3 on HeLa cell (antibody concentration 10 ug/ml).

GCP60 / ACBD3 Antibody (clone 2G2) - Background

Involved in the maintenance of Golgi structure by interacting with giantin, affecting protein transport between the endoplasmic reticulum and Golgi. Involved in hormone-induced steroid biosynthesis in testicular Leydig cells (By similarity).

GCP60 / ACBD3 Antibody (clone 2G2) - References

Sohda M., et al. J. Biol. Chem. 276:45298-45306(2001).

Liu J.,et al.Submitted (SEP-2002) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Gregory S.G.,et al.Nature 441:315-321(2006).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.