

Product Name: KD-Validated GOPC Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01056**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 50.5kDa

Antigen Information

Gene Name	GOPC GOPC; Golgi Associated PDZ And Coiled-Coil Motif Containing; PIST; FIG; CAL; DJ94G16.2; GOPC1; Golgi-Associated PDZ And Coiled-Coil Motif-Containing Protein; PDZ Protein
Alternative Names	Interacting Specifically With TC10; CFTR-Associated Ligand; Fused In Glioblastoma; PDZ/Coiled-Coil Domain Binding Partner For The Rho-Family GTPase TC10; Golgi-Associated PDZ And Coiled-Coil Motif Containing Protein; DJ94G16.2 PIST
Gene ID	57120.0
SwissProt ID	Q9HD26
Immunogen	A synthesized peptide derived from human PIST

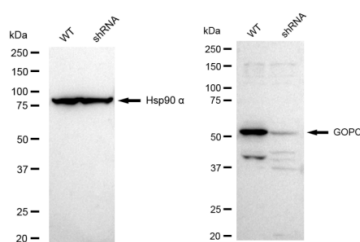
Background

This gene encodes a Golgi protein with a PDZ domain. The PDZ domain is globular and proteins which contain them bind other proteins through short motifs near the C-termini. Mice which are deficient in the orthologous protein have globozoospermia and are infertile. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

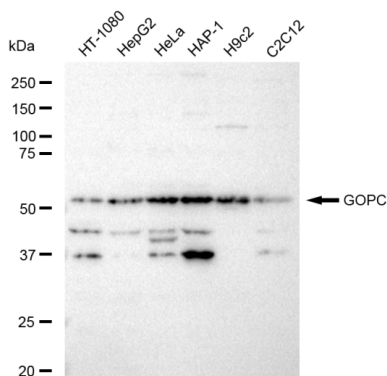
Research Area

Tags & Cell Markers, Signal Transduction

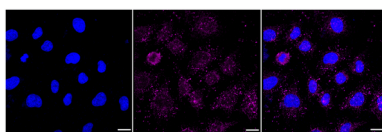
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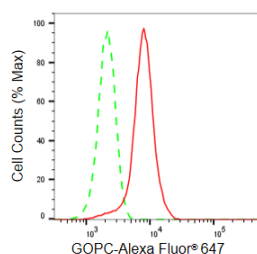
Western blotting analysis using GOPC antibody (KVA01056). GOPC expression in wild type (WT) and GOPC shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with GOPC antibody (KVA01056, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using GOPC antibody (KVA01056). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GOPC antibody (KVA01056, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with GOPC antibody (KVA01056, 1:1,000). Nuclei were stained blue with DAPI; GOPC was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of GOPC expression in HeLa cells using GOPC antibody (KVA01056, 1:2,000). Green, isotype control; red, GOPC.