

ARG55411
anti-GOPC / PIST antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GOPC / PIST
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GOPC / PIST
Species	Human
Immunogen	Synthetic peptide (16 aa) within aa. 360-410 of Human PIST.
Conjugation	Un-conjugated
Alternate Names	Golgi-associated PDZ and coiled-coil motif-containing protein; Fused in glioblastoma; dJ94G16.2; CFTR-associated ligand; FIG; CAL; PIST; PDZ protein interacting specifically with TC10; GOPC1

Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
	IHC-P	1 µg/ml
	WB	1 - 4 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat Colon Lysate	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

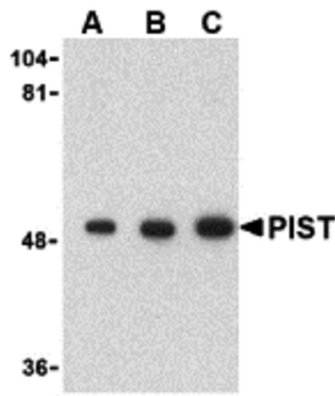
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

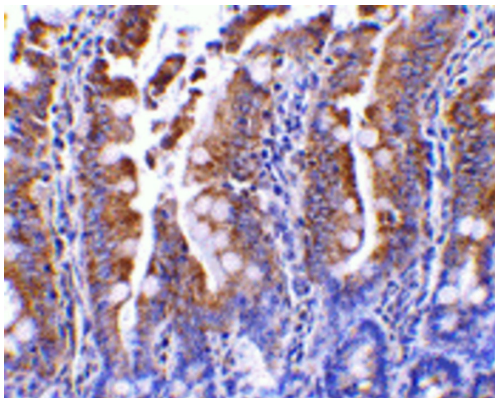
Gene Symbol	GOPC
Gene Full Name	golgi-associated PDZ and coiled-coil motif containing
Background	This gene encodes a Golgi protein with a PDZ domain. The PDZ domain is globular and proteins which contain them bind other proteins through short motifs near the C-termini. Mice which are deficient in the orthologous protein have globozoospermia and are infertile. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Function	Plays a role in intracellular protein trafficking and degradation. May regulate CFTR chloride currents and acid-induced ASIC3 currents by modulating cell surface expression of both channels. May also regulate the intracellular trafficking of the ADR1B receptor. May play a role in autophagy. Overexpression results in CFTR intracellular retention and degradation in the lysosomes. [UniProt]
Research Area	Controls and Markers antibody; Signaling Transduction antibody
Calculated Mw	51 kDa

Images



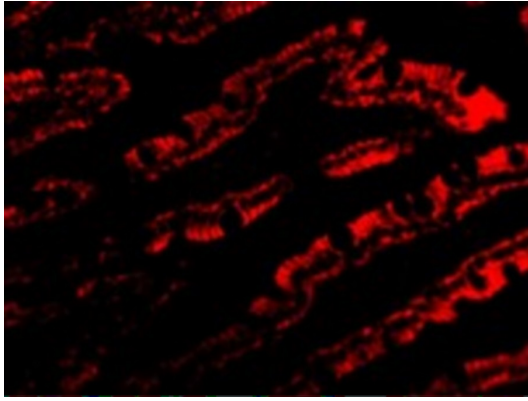
ARG55411 anti-GOPC / PIST antibody WB image

Western blot: Rat colon cell lysate stained with ARG55411 anti-GOPC / PIST antibody at (A) 1, (B) 2 and (C) 4 $\mu\text{g}/\text{ml}$ dilution.



ARG55411 anti-GOPC / PIST antibody IHC image

Immunohistochemistry: Rat colon tissue stained with ARG55411 anti-GOPC / PIST antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



ARG55411 anti-GOPC / PIST antibody ICC/IF image

Immunofluorescence: Rat Colon cells stained with ARG55411 anti-GOPC / PIST antibody at 10 μ g/ml dilution.