

SGOL2 Polyclonal antibody

Catalog Number: 30867-1-AP

Basic Information

Catalog Number: 30867-1-AP	GenBank Accession Number: BC092412	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 151246	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q562F6	IHC 1:50-1:500
Isotype: IgG	Full Name: shugoshin-like 2 (S. pombe)	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG29656	Calculated MW: 1265 aa, 145 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications: WB, IF/ICC, IHC, ELISA	Positive Controls:
Species Specificity: Human, mouse	WB : HT-1080 cells, HeLa cells, U2OS cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse testis tissue,
	IF/ICC : A431 cells,

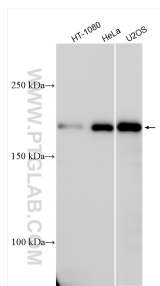
Background Information

SGOL2 (Shugoshin 2, also known as SGO2), which is tightly involved in the cell cycle process, has been reported to protect cohesion, sustain the linkage of chromosomes, and regulate kinetochore-microtubule attachment in meiosis and mitosis (PMID: 21273764). SGOL2 has been reported as a differentially expressed gene in various types of cancer, including glioma, hepatocellular cancer, and endometrial cancer (PMID: 36566018).

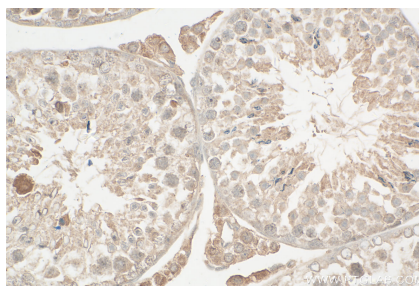
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

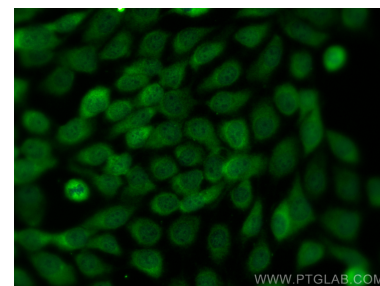
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30867-1-AP (SGOL2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 30867-1-AP (SGOL2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using SGOL2 antibody (30867-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).