

For Research Use Only

GAS2L1 Monoclonal antibody

Catalog Number: 68051-1-Ig



Basic Information

Catalog Number: 68051-1-Ig	GenBank Accession Number: BC011047	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10634	CloneNo.: 2C6D5
Source: Mouse	UNIPROT ID: Q99501	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Isotype: IgG1	Full Name: growth arrest-specific 2 like 1	
Immunogen Catalog Number: AG31232	Calculated MW: 73 kDa	
	Observed MW: 73 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human, Mouse	WB : Jurkat cells, mouse testis tissue, K-562 cells, NIH/3T3 cells, 4T1 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,

Background Information

GAS2L1(growth arrest-specific 2-like 1) is a component of the cytoskeleton that mediates the interaction between microtubules and microfilament (PMID: 34555082). GAS2L1 contains an N-terminal actin-binding calponin homology (CH) domain, a MT lattice-binding Gas2-related (GAR) domain and a C-terminal SxIP motif, which mediates the interaction with MT plus ends via EB proteins. GAS2L1 regulates microtubule dynamics and stability by interacting with microtubule plus-end tracking proteins, such as MAPRE1, to regulate microtubule growth along actin stress fibers (PubMed:24706950).

Storage

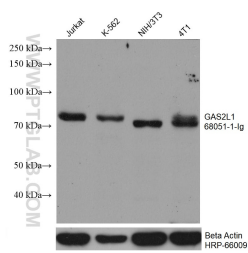
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

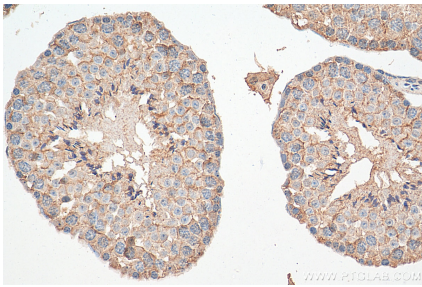
For technical support and original validation data for this product please contact:
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 68051-1-Ig (GAS2L1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 68051-1-Ig (GAS2L1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).