

For Research Use Only

GBP1 Monoclonal antibody, PBS Only

Catalog Number: 67161-1-PBS



Basic Information

Catalog Number: 67161-1-PBS	GenBank Accession Number: BC002666	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 2633	CloneNo.: 2A10E8
Source: Mouse	UNIPROT ID: P32455	
Isotype: IgG2b	Full Name: GTP binding protein 1	
Immunogen Catalog Number: AG7767	Calculated MW: 68 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, rat, pig

Background Information

Guanylate binding protein 1 (GBP1) belongs to the dynamin superfamily of large GTPases. The expression of GBP1 is induced by IFN and GBP1 is characterized by its ability to specifically bind guanine nucleotides such as GMP, GDP, and GTP and its ability to hydrolyze GTP to GDP and GMP. GBP1 is induced in response to type I and type II IFNs and as such plays a role in protective immunity against a spectrum of intracellular pathogens ranging from viruses to bacteria to protozoa, such as negative-strand RNA Rhabdovirus, vesicular stomatitis virus and the positive-strand RNA Picomavirus, encephalomyocarditis virus in cultured cells, the inhibition of Chlamydia trachomatis, Toxoplasma gondii, and Salmonella enterica.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

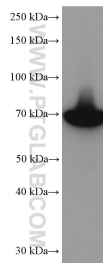
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

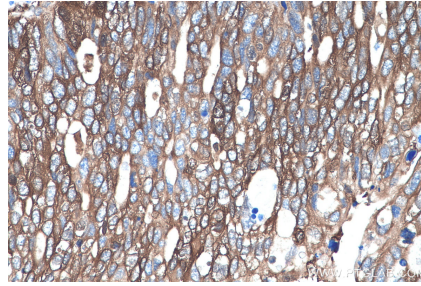
E: proteintech@ptglab.com
W: ptglab.com

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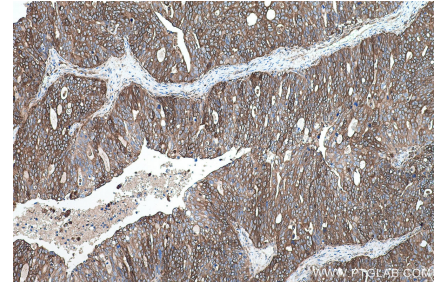
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 67161-1-Ig (GBP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67161-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 67161-1-Ig (GBP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67161-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 67161-1-Ig (GBP1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67161-1-PBS in a different storage buffer formulation.