

For Research Use Only

GRIM19 Monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number: 67414-1-PBS



Basic Information

Catalog Number: 67414-1-PBS	GenBank Accession Number: BC009189	Purification Method: Protein G purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 51079	CloneNo.: 3A10C5
Source: Mouse	UNIPROT ID: Q9P0J0	
Isotype: IgG1	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	
Immunogen Catalog Number: AG20855	Calculated MW: 16.5 kDa	
	Observed MW: 16-18 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

67414-1-PBS targets GRIM19 as part of a matched antibody pair:

MP50735-1: 67414-2-PBS capture and 67414-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

GRIM19 (Gene associated with retinoic and interferon-induced mortality 19 protein) is also named as NDUFA13, CI-B16.6 and belongs to the complex I NDUFA13 subunit family. GRIM-19 may distribute in the mitochondria and/or nucleus depending on the cell type. Alternatively, its cellular localization may be regulated by post-translational modifications such as phosphorylation and acetylation. Lastly, GRIM-19 may exist in different isoforms that may be distributed in distinct cellular locations (PMID:12628925).

Storage

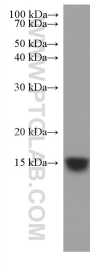
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

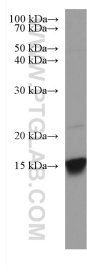
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

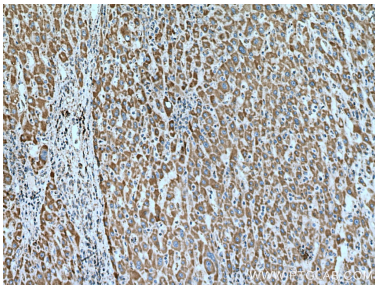
Selected Validation Data



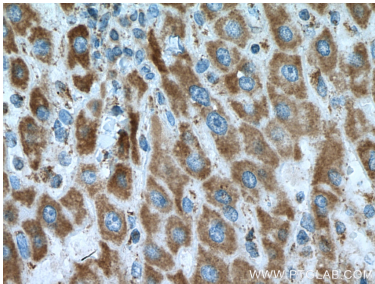
LNCaP cells were subjected to SDS PAGE followed by western blot with 67414-1-Ig (GRIM19 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67414-1-PBS in a different storage buffer formulation.



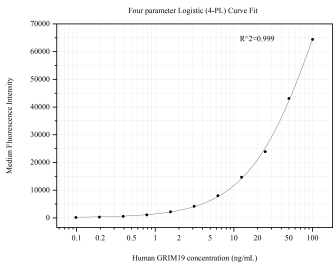
HepG2 cells were subjected to SDS PAGE followed by western blot with 67414-1-Ig (GRIM19 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67414-1-PBS in a different storage buffer formulation.



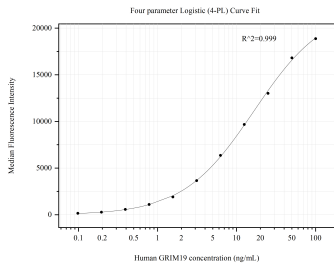
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67414-1-Ig (GRIM19 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67414-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67414-1-Ig (GRIM19 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67414-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50735-1, GRIM19 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67414-2-PBS. Detection antibody: 67414-1-PBS. Standard:Ag20855. Range: 0.098-100 ng/mL.



Cytometric bead array standard curve of MP50735-3, GRIM19 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67414-1-PBS. Detection antibody: 67414-4-PBS. Standard:null. Range: null.