

For Research Use Only

GRIM19 Monoclonal antibody

Catalog Number: 67414-1-Ig



Basic Information

Catalog Number: 67414-1-Ig	GenBank Accession Number: BC009189	Purification Method: Protein G purification
Size: 150ul , Concentration: 1100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51079	CloneNo.: 3A10C5
Source: Mouse	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:500-1:2000
Isotype: IgG1	Calculated MW: 16.5 kDa	
Immunogen Catalog Number: AG20855	Observed MW: 16-18 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : LNCaP cells, HEK-293 cells, HeLa cells, HepG2
cells

IHC : human liver cancer tissue, human breast cancer
tissue

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 -20°C.

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**

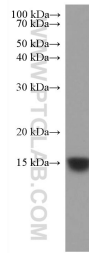
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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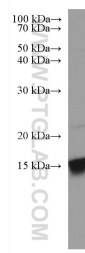
E: proteintech@ptglab.com
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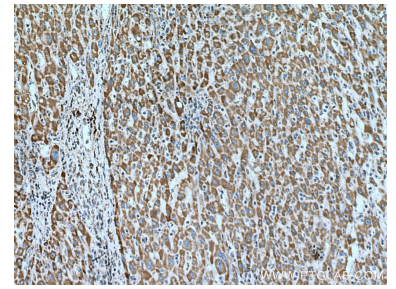
Selected Validation Data



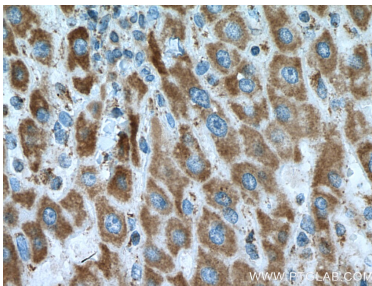
LNCaP cells were subjected to SDS PAGE followed by western blot with 67414-1-Ig (GRIM19 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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.



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).



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).