

For Research Use Only

MRPL45 Monoclonal antibody

Catalog Number: 66531-1-Ig **Featured Product**



Basic Information

Catalog Number: 66531-1-Ig	GenBank Accession Number: BC006235	Purification Method: Protein G purification
Size: 150ul , Concentration: 1600 µg/ml by Nanodrop and 900 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84311	CloneNo.: 1B4B4
Source: Mouse	Full Name: mitochondrial ribosomal protein L45	Recommended Dilutions: WB 1:2500-1:10000 IHC 1:250-1:1000
Isotype: IgG1	Calculated MW: 35 kDa	
Immunogen Catalog Number: AG8207	Observed MW: 33 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse, rat

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 : HeLa cells, HSC-T6 cells, RAW 264.7 cells, HEK-293 cells, Jurkat cells, HepG2 cells

IHC : human breast cancer tissue,

Background Information

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. MRPL45 is a 39S subunit protein.

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**

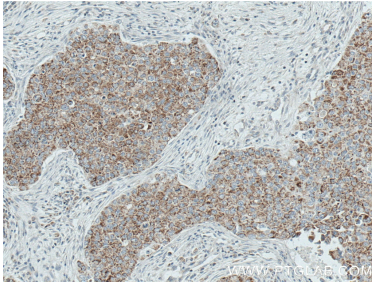
For technical support and original validation data for this product please contact:

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

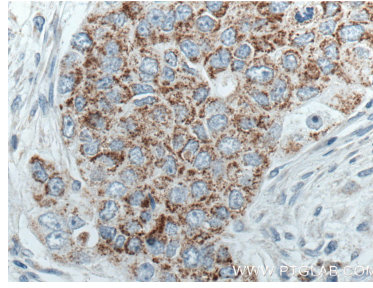
E: proteintech@ptglab.com
W: ptglab.com

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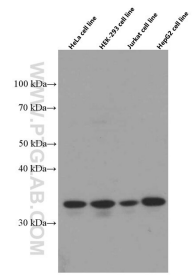
Selected Validation Data



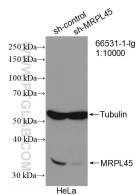
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66531-1-Ig (MRPL45 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66531-1-Ig (MRPL45 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Various lysates were subjected to SDS PAGE followed by western blot with 66531-1-Ig (MRPL45 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



WB result of MRPL45 antibody (66531-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MRPL45 transfected HeLa cells.