

For Research Use Only

# MRPL45 Monoclonal ANTIBODY



Catalog Number: 66531-1-Ig

## Basic Information

Catalog Number:

66531-1-Ig

Size:

150UL, Concentration: 900 µg/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8207

GenBank Accession Number:

BC006235

GeneID (NCBI):

84311

Full Name:

mitochondrial ribosomal protein L45

Calculated MW:

35 kDa

Observed MW:

33 kDa

Purification Method:

Protein G purification

CloneNo.:

1B4B4

Recommended Dilutions:

WB 1:2500-1:10000

IHC 1:250-1:1000

## 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

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 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

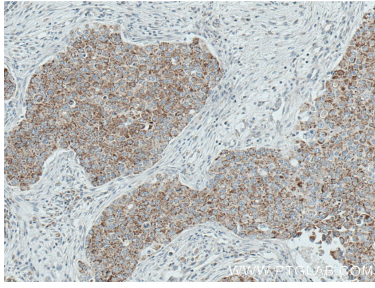
For technical support and original validation data for this product please contact:

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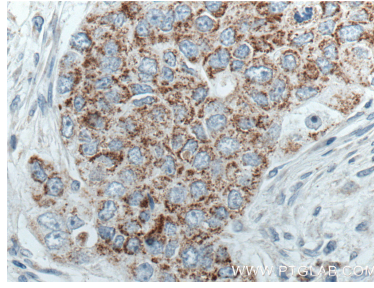
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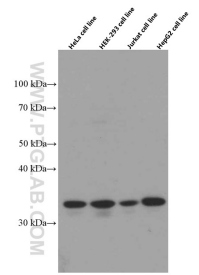
## Selected Validation Data



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 1:5000 incubated at room temperature for 1.5 hours.