Product Datasheet

# MRPL46 Polyclonal Antibody

Catalog No: #28962

Package Size: #28962-1 50ul #28962-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

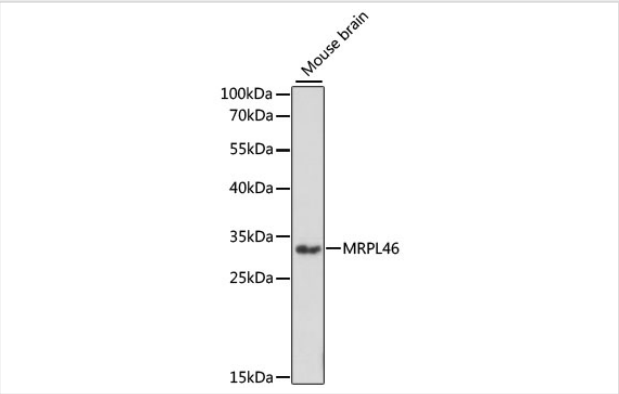
## Description

| | |
|---|---|
| Product Name | MRPL46 Polyclonal Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Affinity purification |
| Applications | WB,IHC,IF |
| Species Reactivity | Human,Mouse |
| Immunogen Description | Recombinant fusion protein of human MRPL46 (NP_071446.2). |
| Other Names | MRPL46; C15orf4; LIECG2; P2ECSL; mitochondrial ribosomal protein L46 |
| Accession No. | Swiss-Prot#:Q9H2W6NCBI Gene ID:26589 |
| Uniprot | Q9H2W6 |
| GeneID | 26589; |
| Calculated MW | 32kDa |
| Formulation | Avoid freeze / thaw cycles.\|Buffer: PBS with 50% glycerol, pH7.4. |
| Storage | Store at -20°C |

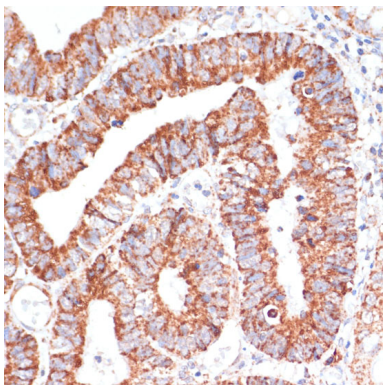
## Application Details

WB□1:200 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

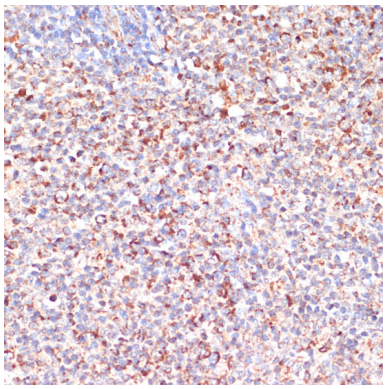
## Images



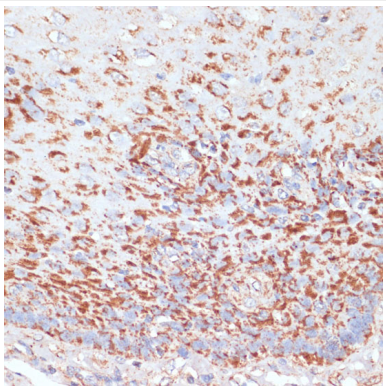

Western blot analysis of extracts of mouse brain, using MRPL46 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human colon carcinoma using MRPL46 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lymph node using MRPL46 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophageal using MRPL46 at dilution of 1:100 (40x lens).

## Background

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. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein.

Note: This product is for in vitro research use only