

Datasheet for ABIN953519

anti-MRPS24 antibody (Middle Region)**3** Images[Go to Product page](#)

Overview

| | |
|----------------------|---|
| Quantity: | 0.4 mL |
| Target: | MRPS24 |
| Binding Specificity: | AA 28-58, Middle Region |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MRPS24 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

Product Details

| | |
|---------------|---|
| Immunogen: | Synthetic peptide - KLH conjugated - corresponding to the central region (between 28-58aa) of human MRPS24. |
| Isotype: | Ig Fraction |
| Specificity: | This antibody recognizes human MRPS24. |
| Purification: | Purified through a Protein A column followed by peptide affinity purification |

Target Details

| | |
|-------------------|--|
| Target: | MRPS24 |
| Alternative Name: | MRPS24 (MRPS24 Products) |

Target Details

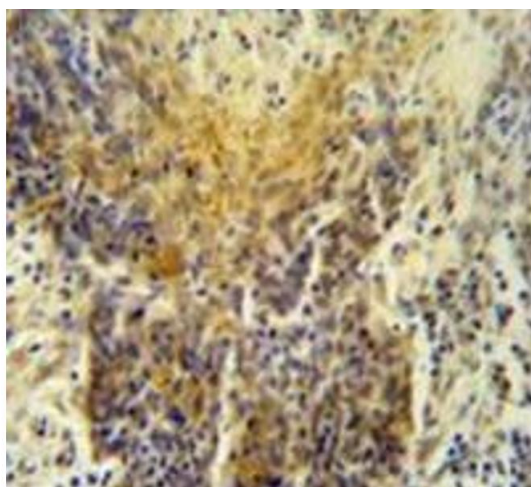
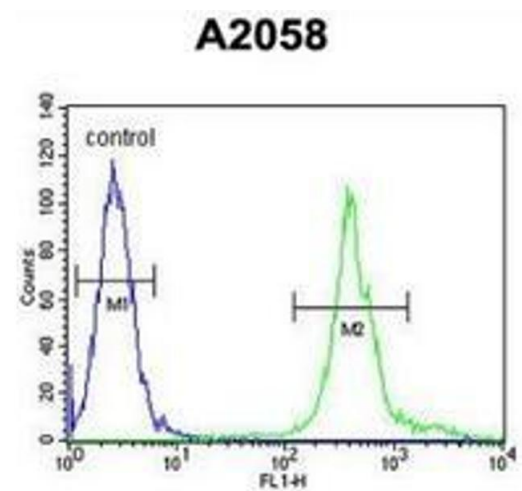
| | |
|-------------------|--|
| Background: | Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75 % protein 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. MRPS24 encodes a 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 11. Synonyms: 28S ribosomal protein S24, HSPC335, MRP-S24, S24mt, bMRP-47, mitochondrial |
| Molecular Weight: | 19015 Da |
| Gene ID: | 64951 |
| NCBI Accession: | NP_114403 |

Application Details

| | |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | PBS with 0.09 % (W/V) Sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |



Flow Cytometry

Image 1. Flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram) using MRPS24 Antibody , followed by FITC-conjugated goat-anti-rabbit secondary antibodies.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in human lung carcinoma (Formalin-fixed, Paraffin-embedded), using MRPS24 Antibody , followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of this antibody for IHC. Clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis in A2058 cell line lysates (35ug/lane) using MRPS24 Antibody . This demonstrates this antibody detected the MRPS24 protein (arrow).