

Datasheet for ABIN2789211 anti-MRPL3 antibody (N-Term)

1 Image



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| Quantity: | 100 μL |
|----------------------|---|
| Target: | MRPL3 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Rabbit, Dog, Guinea Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MRPL3 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Sequence: | THIWLFVRGL HGKSGTWWDE HLSEENVPFI KQLVSDEDKA QLASKLCPLK |
|-----------------------|---|
| Predicted Reactivity: | Cow: 93%, Dog: 86%, Guinea Pig: 93%, Human: 100%, Mouse: 79%, Rabbit: 100%, Rat: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against MRPL3. It was validated on Western Blot. |
| Purification: | Affinity Purified |

Target Details

| Target: | MRPL3 |
|-------------------|---|
| Alternative Name: | MRPL3 (MRPL3 Products) |
| 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 that belongs to the L3P ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 13q.

Alias Symbols: MRL3, RPML3

Protein Interaction Partner: UBC, MRPS27, mug82, ICT1, C1QBP, MRPL55, MRPL10, MRPL52, MRPL9, MRPL41, MRPS9, MRPL17, MRPL39, MRPL4, MRPL13, MRPL42, MRPL46, MRPL19,

RPS18, RPS15, MRPL12, MRPL23, NDUFS3, APP, CAND1,

Protein Size: 348

| Molecular Weight: | 38 kDa |
|-------------------|----------------------|
| Gene ID: | 11222 |
| NCBI Accession: | NM_007208, NP_009139 |
| UniProt: | P09001 |

Application Details

| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
|--------------------|--|
| Comment: | Antigen size: 348 AA |
| Restrictions: | For Research Use only |

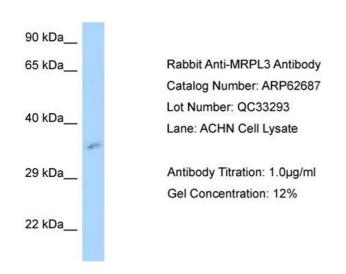
Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| 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

| Handling Advice: | Avoid repeated freeze-thaw cycles. |
|------------------|---|
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

Image 1.