



# RM19 rabbit pAb

Cat No.:ES9298

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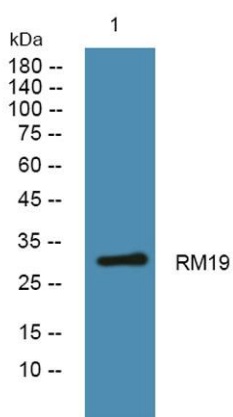
## Overview

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | RM19 rabbit pAb  |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse  |
| <b>Recommended dilutions</b>    | WB 1:500-2000 ELISA 1:5000-20000   |
| <b>Immunogen</b>                | Synthesized peptide derived from human protein .<br>at AA range: 160-240   |
| <b>Specificity</b>              | RM19 Polyclonal Antibody detects endogenous<br>levels of protein.  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and<br>0.02% sodium azide.   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | 39S ribosomal protein L19, mitochondrial (L19mt)<br>(MRP-L19) (39S ribosomal protein L15,<br>mitochondrial) (L15mt) (MRP-L15)  |
| <b>Gene Name</b>                | MRPL19 KIAA0104 MRPL15   |
| <b>Cellular localization</b>    | Mitochondrion .  |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit<br>antiserum by affinity-chromatography using<br>epitope-specific immunogen.  |
| <b>Clonality</b>                | Polyclonal   |
| <b>Concentration</b>            | 1 mg/ml  |
| <b>Observed band</b>            | 32kD   |
| <b>Human Gene ID</b>            | 9801   |
| <b>Human Swiss-Prot Number</b>  | P49406   |
| <b>Alternative Names</b>        |  |
| <b>Background</b>               | Mammalian mitochondrial ribosomal proteins are<br>encoded by nuclear genes and help in protein<br>synthesis within the mitochondrion. Mitochondrial<br>ribosomes (mitoribosomes) consist of a small 28S<br>subunit and a large 39S subunit. They have an<br>estimated 75% protein to rRNA composition<br>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. [provided by RefSeq, Jul 2008],



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night

