

# **Product datasheet for TA357113**

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## **MRPL55 Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

**Clonality:** Polyclonal

**Specificity: Expected reactivity**: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Yeast

Homology: Cow: 86%; Dog: 90%; Guinea Pig: 85%; Horse: 90%; Human: 100%; Mouse: 86%;

Pig: 90%; Rabbit: 90%; Rat: 93%; Yeast: 82%

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Concentration:** lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

**Storage:** 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.

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 14kDa

**Gene Name:** mitochondrial ribosomal protein L55

Database Link: NP 001100736

Entrez Gene 8100 HumanEntrez Gene 128308 Human

D4ACI9



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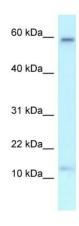
### Background:

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. Multiple transcript variants encoding two different isoforms were identified through sequence analysis.

#### Synonyms:

AAVG5835; DKFZp686D1387; L55mt; L55nt; MGC61802; MRP-L55; OTTHUMP00000036076; OTTHUMP00000036077; OTTHUMP00000037490; OTTHUMP00000037494; OTTHUMP00000037495; OTTHUMP00000037496; OTTHUMP00000037497; OTTHUMP00000037498; OTTHUMP00000037499; OTTHUMP00000037500; OTTHUMP00000037501; OTTHUMP00000037502; PRO19675

### **Product images:**



WB Suggested Anti-MRPL55 Antibody Titration: 1.0 ug/ml

Positive Control: OVCAR-3 Whole Cell