

Product datasheet for **TA357113**

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. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
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 Human Entrez 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; OTTHUMP00000037493; 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