

## MRPS31 Rabbit pAb

db3875

Package : 20µL 50µL 100µL

**Product Name** : MRPS31 Rabbit pAb**Cat.No.:** db3875**Synonyms** : S31mt; IMOGN38; MRP-S31**Application** : WB**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**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. The 28S subunit of the mammalian mitoribosome may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that has also been associated with type 1 diabetes; however, its relationship to the etiology of this disease remains to be clarified. Pseudogenes corresponding to this gene have been found on chromosomes 3 and 13. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human MRPS31

**Gene ID**

10240

**Swiss Prot**

Q92665

**Synonyms**

S31mt; IMOGN38; MRP-S31

**Reactivity**

Human, Mouse, Rat

**Application**

WB

**Recommended dilution**

WB: 1:1000

**Calculated MW**

45 kDa

**Observed MW**

45 kDa

**Host species**

Rabbit

**Clonality**

Polyclonal

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.