

## Anti-NAGT1 MFSD4B Antibody

Catalog Number: A15668

### About MFSD4B

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 28S subunit protein that belongs to the ribosomal protein S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 8p, 12p, 15q, and 22q.

Lai C.-H., Genome Res. 10:703-713(2000).

The MGC Project Team; Genome Res. 14:2121-2127(2004).

Koc E.C., J. Biol. Chem. 276:19363-19374(2001).

### Overview

Product Name	Anti-NAGT1 MFSD4B Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-NAGT1 MFSD4B Antibody catalog # A15668. Tested in ELISA, WB applications. This antibody reacts with Human, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q5TF39

### Technical Details

Immunogen	Synthesized peptide derived from human NAGT1 protein.
Predicted Reactive Species	Chimpanzee, Drosophila, Macaque
Isotype	IgG

Form	Liquid
Concentration	1 mg/ml
Purification	NAGT1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used: WB 1:500-2000 ELISA 1:5000-20000</p>

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