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antibody and ELISA experts

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3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-TG1019 (R251) OXER1 Antibody

Catalog Number: A10420

About OXER1

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 which forms homodimers. In prokaryotic ribosomes, two L7/L12 dimers and one L10 protein form the L8 protein complex.

Marty L., J. Biol. Chem. 271:11468-11476(1996).
Liu J., Submitted (APR-1998) to the EMBL/GenBank/DDBJ databases.
The MGC Project Team; Genome Res. 14:2121-2127(2004).

Overview

Product Name	Anti-TG1019 (R251) OXER1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TG1019 (R251) OXER1 Antibody catalog # A10420. Tested in WB,IHC,IF applications. This antibody reacts with Human,Mouse,Rat.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	Q8TDS5

Technical Details

Immunogen	Synthesized peptide derived from human S1A7A protein.
Predicted Reactive Species	Chimpanzee, Drosophila, Macaque
Isotype	IgG
Form	Liquid

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Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:1000 IHC: 1:50-1:200 IF: 1:50-1:200

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Anti-TG1019 (R251) OXER1 Antibody (A10420) Images

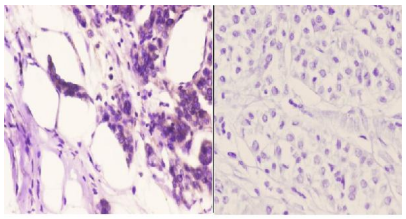

Figure 2. Immunohistochemistry validation of OXER1 using Anti-TG1019 (R251) OXER1 Antibody (A10420).

Immunohistochemistry (IHC) analyzes of TG1019 (R251) pAb in paraffin-embedded human liver carcinoma tissue at 1:50.showing cytoplasmic staining. Negative control (the right)Using PBS instead of primary antibody

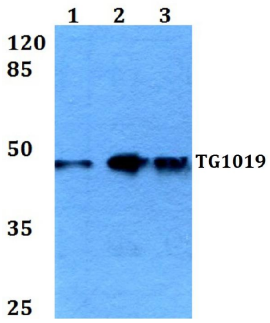

Figure 1. Western blotting validation for Anti-TG1019 (R251) OXER1 Antibody A10420

Western blot (WB) analysis of TG1019 (R251) pAb at 1:500 dilution
Lane1:3T3-L1 whole cell lysate(40ug)
Lane2:AML-12 whole cell lysate(40ug)
Lane3:H1792 whole cell lysate(40ug)
Lane4:L02 whole cell lysate(40ug)
Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration