

Anti-ALDH1B1 Antibody

Catalog Number: A05637

About ALDH1B1

Rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes involved in chromatin assembly. Isoform 3 phosphorylates and enhances the stability of the t-SNARE SNAP23, augmenting its assembly with syntaxin. Isoform 3 protects the cells from the ionizing radiation by facilitating the repair of DSBs. In vitro, phosphorylates histone H3 at 'Ser-10'.

Yamakawa A., Gene 202:193-201(1997).

Sillje H.H.W., EMBO J. 18:5691-5702(1999).

Cabaniols J.-P., Mol. Biol. Cell 10:4033-4041(1999).

Overview

Product Name	Anti-ALDH1B1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ALDH1B1 Antibody catalog # A05637. Tested in WB,ICC applications. This antibody reacts with Human,Mouse,Rat.
Application	ICC, 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	P30837

Technical Details

Immunogen	Synthesized peptide derived from internal of human TLK1.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
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: 1:500-1:2000

ICC: 1:50-1:200

Anti-ALDH1B1 Antibody (A05637) Images

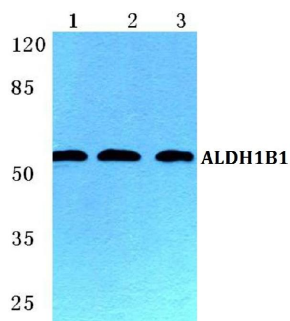


Figure 1. Western blotting validation for Anti-ALDH1B1 Antibody A05637

Western blot (WB) analysis of ALDH1B1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:Mouse spleen tissue lysate

Lane3:Rat liver tissue lysate

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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