

Anti-Phospho-5-LO (S272) ALOX5 Antibody

Catalog Number: A00847S272

About ALOX5

Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

Gingras, A.C. et al. (2001) Genes Dev. 15, 807-826.

Duncan, R. and Hershey, J.W. (1985) J. Biol. Chem. 260, 5493-5497.

Duncan, R.F. and Hershey, J.W. (1989) J. Cell Biol. 109, 1467-1481.

Overview

Product Name	Anti-Phospho-5-LO (S272) ALOX5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-5-LO (S272) ALOX5 Antibody catalog # A00847S272. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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	P09917

Technical Details

Immunogen	Synthesized peptide derived from human 5-LO around the phosphorylation site of S272.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-

	specific immunogen.
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 IHC 1:100-1:300 ELISA 1:10000

Anti-Phospho-5-LO (S272) ALOX5 Antibody (A00847S272) Images

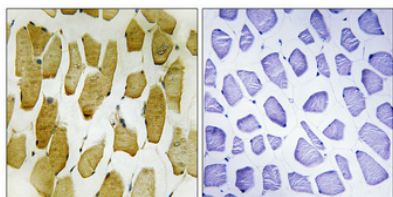


Figure 1. Immunohistochemistry validation of ALOX5 using Anti-Phospho-5-LO (S272) ALOX5 Antibody (A00847S272).

Immunohistochemical analysis of paraffin-embedded Human skeletal muscle. Antibody was diluted at 1:100 (4°C)

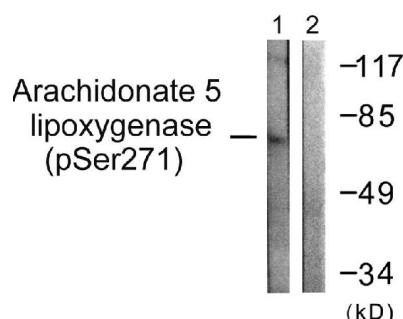


Figure 2. Western blot analysis of lysates from HUVEC cells, using Anti-Phospho-5-LO (S272) ALOX5 Antibody (A00847S272). The lane on the right is blocked with the phospho peptide.

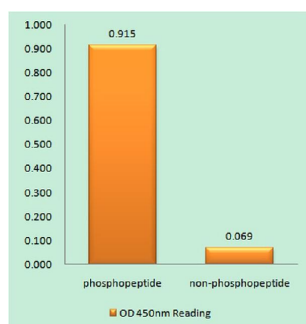


Figure 3. Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-le) and Non-Phosphopeptide (Phospho-right), using Anti-Phospho-5-LO (S272) ALOX5 Antibody (A00847S272).

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