

## Basic Information

<b>Product Name</b>	Anti-5 Lipoxygenase/ALOX5 (Phospho-S664) Antibody		
<b>Gene Name</b>	ALOX5		
<b>Source</b>	Rabbit		
<b>Clonality</b>	Polyclonal		
<b>Isotype</b>	IgG		
<b>Species Reactivity</b>	human, mouse, rat		
<b>Tested Application</b>	WB, ICC/IF		
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.		
<b>Concentration</b>	500 ug/ml		
<b>Purification</b>	Immunogen affinity purified.		
<b>Observed MW</b>	77 kDa		
<b>Dilution Ratios</b>	Western blot (WB):		1:500-2000
	Immunocytochemistry/Immunofluorescence (ICC/IF):		1:50-400

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Arachidonate 5-lipoxygenase, also known as 5-LOX or 5-LO, is an enzyme that in humans is encoded by the ALOX5 gene. ALOX5 is a member of the lipoxygenase family of enzymes. It is mapped to 10q11.21. ALOX5 plays a dual role in the synthesis of leukotrienes from arachidonic acid. The position of ALOX5 within the nucleus of resting cells determines the capacity to generate LTB<sub>4</sub> upon subsequent activation. It is involved in lung vascular tone regulation and in the development of chronic pulmonary hypertension in hypoxic rodent models. ALOX5 also transforms EFAs into leukotrienes and is a current target for pharmaceutical intervention in a number of diseases.

## Selected Validation Data

Product datasheet

**Anti-5 Lipoxygenase/ALOX5 (Phospho-S664) Antibody**

**Catalog Number: P00847-1**



antibody and ELISA experts

**BOSTER BIOLOGICAL TECHNOLOGY**

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,  
East Lake High-Tech Development Zone, Wuhan.

**Web:** [www.boster.com](http://www.boster.com) **Phone:** 027-67845390/1/2 **Email:** [boster@boster.com](mailto:boster@boster.com)

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