

# Anti- Arachidonate 5 Lipoxygenase (Phospho-Ser271)



## Polyclonal Antibody

Catalog No.	Size
A100097-01	50 µl
A100097-02	100 µl

<b>Specificity</b>	Anti- Arachidonate 5 Lipoxygenase (Phospho-Ser271) (human mouse rat )
<b>Source</b>	Rabbit Polyclonal
<b>Application</b>	WB ELISA IHC
<b>Form</b>	Liquid, 1 mg/ml

### Product

**Swiss-Prot No.:** P09917

**Other Names:** 5-lipoxygenase, ALOX5, Arachidonate 5-lipoxygenase, EC 1.13.11.34, LOG5, LOX5

### Specificity and Sensitivity

Arachidonate 5 Lipoxygenase (Phospho-Ser271) antibody detects endogenous levels of Arachidonate 5 lipoxygenase only when phosphorylated at serine 271.

### Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human Arachidonate 5 lipoxygenase around the phosphorylation site of serine 271 (Q-L-S<sup>P</sup>-L-E).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

### Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000    IHC: 1:50~1:100    ELISA: 1:10000

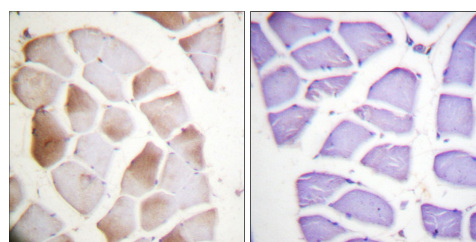
### Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

### Storage Instructions

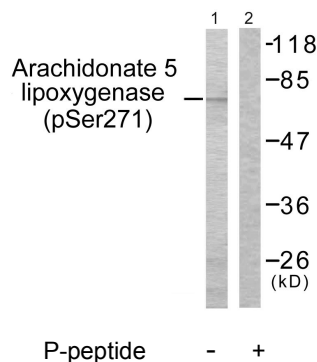
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

### Images



P-peptide                      -                      +

Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue using Arachidonate 5 Lipoxygenase (Phospho-Ser271) antibody.



Western blot analysis of extracts from HuvEc cells, using Arachidonate 5 Lipoxygenase (Phospho-Ser271) antibody.