

## Anti-ALOX5 antibody (100-200) [S4MR] (STJ11101834)

STJ11101834

### GENERAL INFORMATION

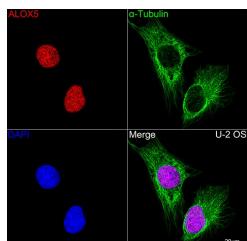
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	WB/IHC-P/IF/ICC/ELISA
<b>Applications</b>	WB/IHC-P/IF/ICC/ELISA
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human/Mouse/Rat

### PRODUCT PROPERTIES

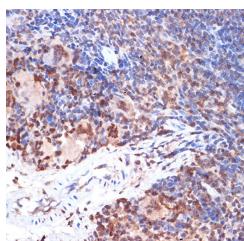
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	S4MR
<b>Concentration</b>	Lot specific
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Affinity purification
<b>Dilution Range</b>	WB:1:1000-1:4000 IHC-P:1:100-1:1000 IF/ICC:1:100-1:400 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
<b>Formulation</b>	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
<b>Isotype</b>	IgG
<b>Storage</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.
<b>Instruction</b>	

### TARGET INFORMATION

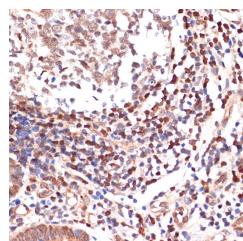
<b>Gene ID</b>	240
<b>Gene Symbol</b>	ALOX5
<b>Uniprot ID</b>	LOX5_HUMAN
<b>Immunogen</b>	
<b>Immunogen Region</b>	100-200
<b>Specificity</b>	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human ALOX5 (P09917).
<b>Immunogen Sequence</b>	CYRWITGDVEVVLRDGRAKL ARDDQIHLKQHRRKELETR QKQYRWMEMWNPNGFPLSIDAK CHKDLPRDIQFDSEKGVDVF LNYSKAMENLFINRFMFMHQ S



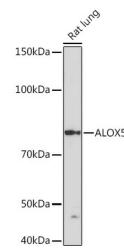
Confocal imaging of U-2 OS cells using ALOX5 Rabbit monoclonal antibody (STJ11101834, dilution: 1:100) (Red). The cells were counterstained with Alpha-Tubulin Mouse monoclonal antibody (dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Immunohistochemistry analysis of ALOX5 in paraffin-embedded mouse spleen using ALOX5 Rabbit monoclonal antibody (STJ11101834) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9. 0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of ALOX5 in paraffin-embedded human appendix using ALOX5 Rabbit monoclonal antibody (STJ11101834) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9. 0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of lysates from Rat lung, using ALOX5 Rabbit monoclonal antibody (STJ11101834) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) STJ00085 at 1:10000 dilution. Lanes protein: 25 μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3min.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.

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