

ALOX5 Monoclonal Antibody

CAB2877

Description

This ALOX5 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB2877
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	5-LO, 5LPG, LOG5, 5-LOX, ALOX5
Clone:	ARC1926
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	240
Uniprot:	AB_2863022
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	78kDa
Calculated MW:	78kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

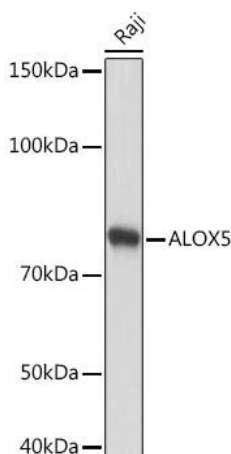
Positive Sample: Raji, Rat lung

Recommended Dilutions:

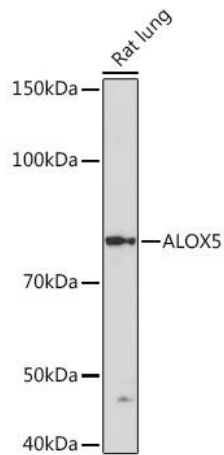
WB	1:1000 - 1:4000
IHC-P	1:100 - 1:1000
IF/ICC	1:100 - 1:400
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

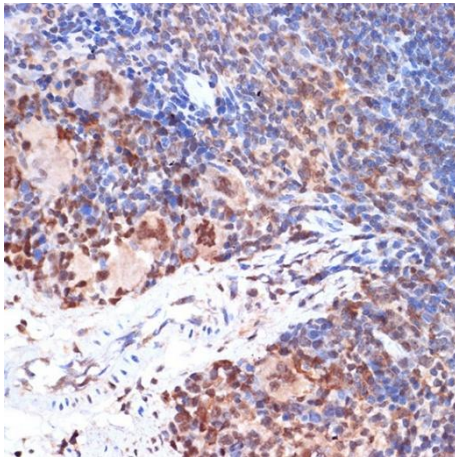
Validation Data



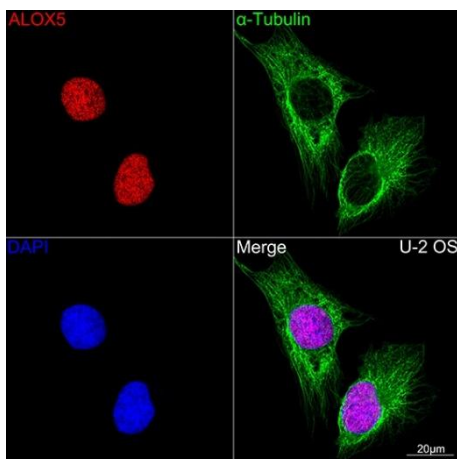
Western blot analysis of lysates from Raji cells, using ALOX5 Rabbit mAb (CAB2877) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Western blot analysis of lysates from Rat lung, using ALOX5 Rabbit mAb (CAB2877) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using ALOX5 Rabbit mAb (CAB2877) at a dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of U-2 OS cells using ALOX5 Rabbit mAb (CAB2877, dilution 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.