

Anti-ALDH3A1 antibody (1-300) (STJ27453)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

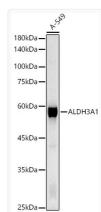
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 50kDa Observed Mw: 55kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

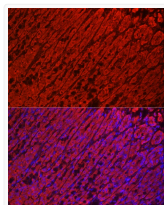
Gene ID	218
Gene Symbol	ALDH3A1
UniProt ID	AL3A1_HUMAN
Immunogen Region	1-300
Immunogen Sequence	MSKISEAVKRARAAAFSSGRT RPLQFRIQQLEALQRLIQEQ EQELVGALAADLHKNEWNAY YEEVVYVLEEIEYMIQKLPE WAADEPVEKTPQTQQDELYI HSEPLGVVLVIGTWNYPFNL TIQPMVGAIAGNSVVLKPS ELSENMASLLATIPQYLDK DLYPVGNGVVPETTELLKER FDHILYTGSTGVGKIIMTAA AKHLTPVTLELGGKSPCYVD KNCDDLVDACRRIAWGKFMN
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human ALDH3A1 (NP_001128640.1).

ADDITIONAL INFORMATION

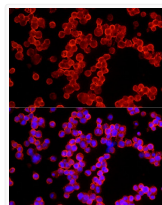
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



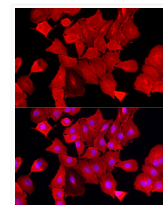
Western blot analysis of extracts of A-549 cells, using ALDH3A1 antibody (STJ27453) at 1:700 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.



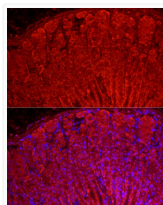
Immunofluorescence analysis of Rat stomach using ALDH3A1 antibody (STJ27453) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of 293T cells using ALDH3A1 antibody (STJ27453) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of A-549 cells using ALDH3A1 antibody (STJ27453) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse stomach using ALDH3A1 antibody (STJ27453) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.