

Anti-ALDH1A1 antibody (250-350) [S1MR] (STJ11101231)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

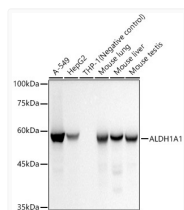
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:50000-1:200000 IF/ICC:1:100-1:800 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay require
Formulation	PBS with 0.09% Sodium Azide, 0.05% BSA, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 55kDa 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

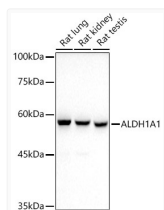
Gene ID	216
Gene Symbol	ALDH1A1
UniProt ID	AL1A1_HUMAN
Immunogen Region	250-350
Immunogen Sequence	VGKLIKEAAGKSNLKRVTLE LGGKSPCIVLADADLDNAVE FAHHGVFYHQGCCIAASRI FVEESIYDEFVRRSVERAKK YILGNPLTPGVTQGPQIDKE Q
Specificity	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human ALDH1A1 (NP_000680.2).

ADDITIONAL INFORMATION

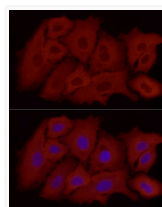
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



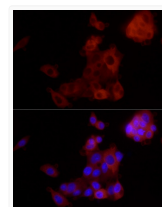
Western blot analysis of various lysates, using ALDH1A1 rabbit monoclonal antibody (STJ11101231) at 1:100000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



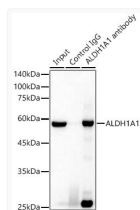
Western blot analysis of various lysates, using ALDH1A1 rabbit monoclonal antibody (STJ11101231) at 1:100000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



Immunofluorescence analysis of A-549 using ALDH1A1 rabbit monoclonal antibody (STJ11101231) at dilution of 1:800 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HepG2 using ALDH1A1 rabbit monoclonal antibody (STJ11101231) at dilution of 1:800 (40x lens). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300 Mu g extracts of A-549 cells using 3 Mu g ALDH1A1 rabbit monoclonal antibody (STJ11101231). Western blot was performed from the immunoprecipitate using ALDH1A1 rabbit monoclonal antibody (STJ11101231) at a dilution of 1:100000.