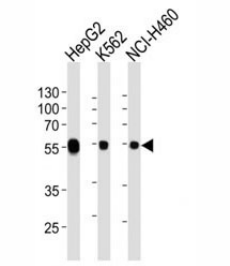
ALDH1A1 Antibody 152CT1.2.2 / Mouse Monoclonal [clone 152CT1.2.2] (F40224)

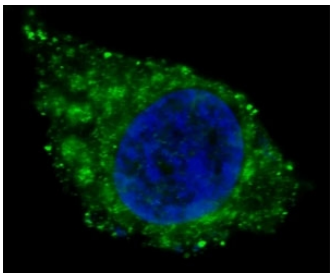
Catalog No.	Formulation	Size
F40224-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40224-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

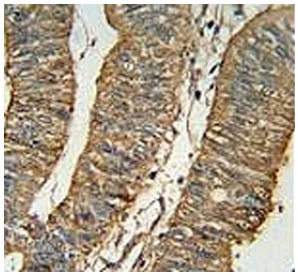
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	152CT1.2.2
Purity	Purified
UniProt	P00352
Applications	Western blot: 1:500-1:1000 IHC (Paraffin): 1:50-1:100 Immunofluorescence: 1:10-1:100
Limitations	This ALDH1A1 Antibody 152CT1.2.2 is available for research use only.



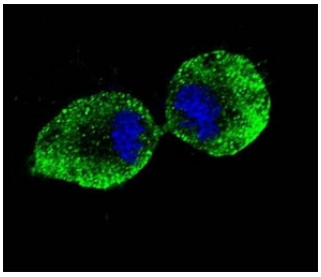
Western blot analysis of lysate from HepG2, K562, NCI-H460 cell line using ALDH1A1 antibody at 1:1000 for each lane. Expected molecular weight ~55 kDa.



Fluorescent confocal image of HepG2 cells stained with ALDH1A1 antibody. ALDH1A1 immunoreactivity is localized to the cytoplasm.



ALDH1A1 Antibody 152CT1.2.2 immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma.



ALDH1A1 Antibody NCI-H460 Cell IF. Confocal immunofluorescent analysis of ALDH1A1 antibody with NCI-H460 cells followed by Alexa Fluor 488-conjugated goat anti-mouse lgG (green). DAPI was used as a nuclear counterstain (blue).

Description

ALDH1A1 Antibody detects ALDH1A1 protein, a transcriptional regulator belonging to the SCY1-like family of kinase-like proteins. The protein has a divergent N-terminal kinase domain that is thought to be catalytically inactive, and can bind specific DNA sequences through its C-terminal domain. It activates transcription of the telomerase reverse transcriptase and DNA polymerase beta genes. The protein has been localized to the nucleus, and also to the cytoplasm and centrosomes during mitosis.

For broader multi-application ALDH1A1 detection including IF and flow cytometry workflows, see our ALDH1A1 Antibody / Cancer Stem Cell and Retinoic Acid Metabolism Marker page.

Application Notes

Titration of the ALDH1A1 Antibody 152CT1.2.2 may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This ALDH1A1 antibody was produced from a mouse immunized with ALDH1A1 recombinant protein.

Storage

Aliquot the ALDH1A1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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