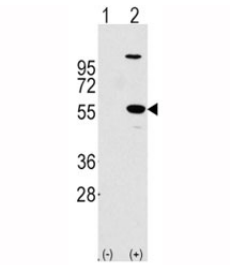
ALDH1A1 Antibody (F44049)

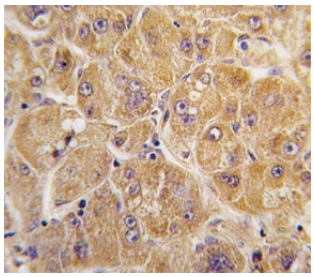
Catalog No.	Formulation	Size
F44049-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44049-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

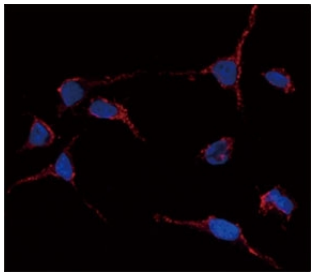
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Primate
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P00352
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This ALDH1A1 antibody is available for research use only.



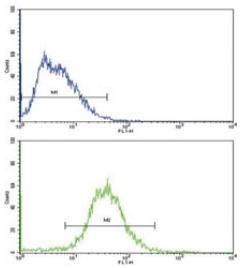
Western blot analysis of ALDH1A1 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ALDH1A1 gene (2).



ALDH1A1 Antibody Hepatocarcinoma IHC. Immunohistochemistry analysis of FFPE human hepatocarcinoma tissue stained with ALDH1A1 antibody.



Immunofluorescence analysis of anti-ALDH1A1 antibody and HeLa cells. Primary Ab was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.



Flow cytometric analysis of HepG2 cells using ALDH1A1 antibody (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

ALDH1A1 binds free retinal and cellular retinol-binding protein- bound retinal. Can convert/oxidize retinaldehyde to retinoic acid (By similarity). [UniProt]

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 may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 302-331 from the human protein was used as the immunogen for this ALDH1A1 antibody.

Storage

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

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