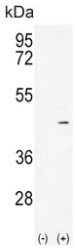
Alcohol dehydrogenase 4 Antibody / ADH4 (F54534)

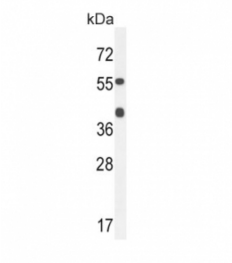
Catalog No.	Formulation	Size
F54534-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54534-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

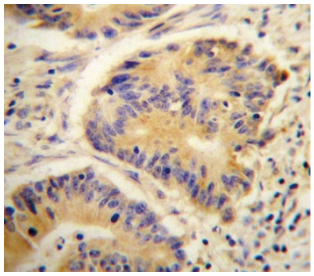
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P08319
Localization	Cytoplasmic
Applications	Flow cytometry: 1:25 (1x10e6 cells) Immunohistochemistry (FFPE): 1:25 Western blot: 1:500-1:2000
Limitations	This Alcohol dehydrogenase 4 antibody is available for research use only.



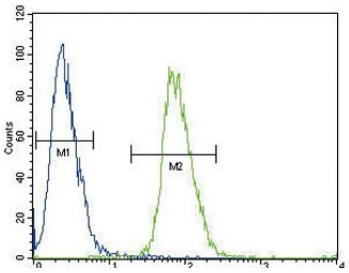
Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Alcohol dehydrogenase 4 antibody. Predicted molecular weight ~40 kDa.



Western blot testing of mouse heart tissue with Alcohol dehydrogenase 4 antibody. Predicted molecular weight ~40 kDa.



IHC testing of FFPE human colon carcinoma tissue with Alcohol dehydrogenase 4 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HEK293 cells with Alcohol dehydrogenase 4 antibody; Blue=isotype control, Green= Alcohol dehydrogenase 4 antibody.

Description

This gene encodes class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Alcohol dehydrogenase 4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 319-348 from the human protein was used as the immunogen for the Alcohol dehydrogenase 4 antibody.

Storage

Aliquot the Alcohol dehydrogenase 4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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