

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

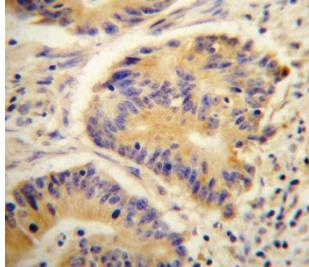
| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse |
| Format | Purified |
| Host | Rabbit |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit Ig |
| Purity | Antigen affinity purified |
| UniProt | P08319 |
| Localization | Cytoplasmic |
| 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. |



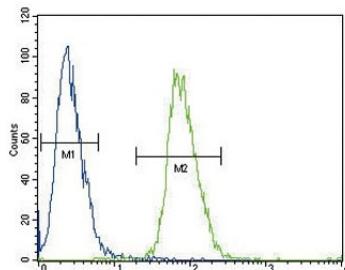
Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Alcohol dehydrogenase 4 antibody. Predicted molecular weight ~40 kDa.

kDa
72
55
36
28
17

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 -20°C or colder. Avoid repeated freeze-thaw cycles.

