ADH1C Rabbit pAb

Catalog No.: A8081   **6 Publications**

Basic Information

Observed MW
45kDa

Calculated MW
40kDa

Category
Primary antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

Background

This gene encodes class I alcohol dehydrogenase, gamma 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 I alcohol dehydrogenase, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation to acetaldehyde, thus playing a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster. An association between ADH1C polymorphism and alcohol dependence has not been established.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
126

Swiss Prot
P00326

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
ADH3; ADH1C

Contact

Product Information
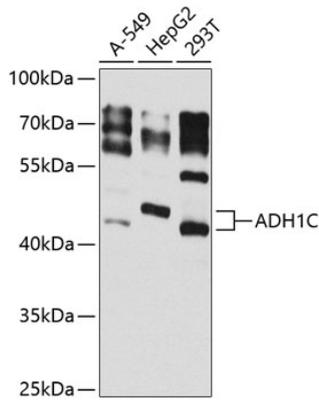
Source
Rabbit

Isotype
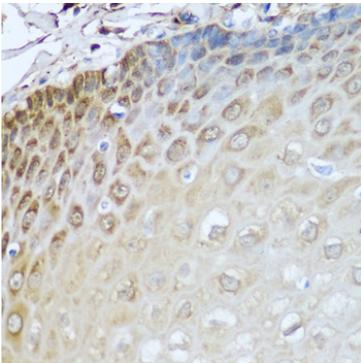IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
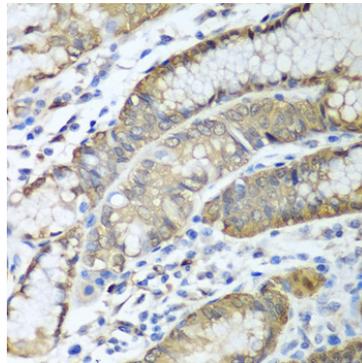Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates using ADH1C Rabbit pAb (A8081) at 1:1000 dilution._Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution._Lysates/proteins: 25μg per lane._Blocking buffer: 3% nonfat dry milk in TBST._Detection: ECL Enhanced Kit (RM00021)._Exposure time: 10s.

Immunohistochemistry analysis of paraffin-embedded Human esophagus using ADH1C Rabbit pAb (A8081) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human stomach using ADH1C Rabbit pAb (A8081) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.