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ADH5/GSNOR Rabbit mAb

Catalog No.: A22527 **Recombinant**

Basic Information

Observed MW
40kDa

Calculated MW
40kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC57643

Background

This gene encodes a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. The encoded protein forms a homodimer. It has virtually no activity for ethanol oxidation, but exhibits high activity for oxidation of long-chain primary alcohols and for oxidation of S-hydroxymethyl-glutathione, a spontaneous adduct between formaldehyde and glutathione. This enzyme is an important component of cellular metabolism for the elimination of formaldehyde, a potent irritant and sensitizing agent that causes lacrymation, rhinitis, pharyngitis, and contact dermatitis. The human genome contains several non-transcribed pseudogenes related to this gene.

Recommended Dilutions

WB	1:2000 - 1:20000
IF/ICC	1:100 - 1:500

Immunogen Information

Gene ID
128

Swiss Prot
P11766

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-374 of human ADH5/GSNOR (NP_000662.3).

Synonyms
FDH; ADHX; ADH-3; AMEDS; BMFS7; FALDH; GSNOR; GSH-FDH; HEL-S-60p; ADH5/GSNOR

Contact

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Product Information

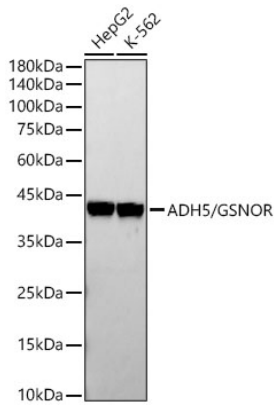**Source**
Rabbit

Isotype
IgG

Purification
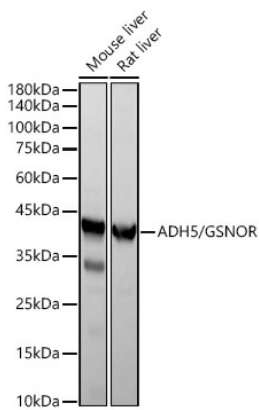Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
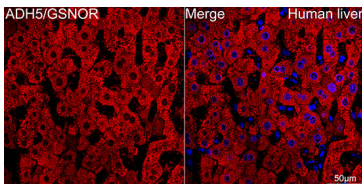Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates, using ADH5/GSNOR antibody (A22527) at 1:20000 dilution.
Secondary antibody: HRP 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 Basic Kit (RM00020).
Exposure time: 180s.

Western blot analysis of various lysates, using ADH5/GSNOR antibody (A22527) at 1:20000 dilution.
Secondary antibody: HRP 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 Basic Kit (RM00020).
Exposure time: 180s.

Confocal imaging of human liver using
ADH5/GSNOR Rabbit mAb (A22527,dilution
1:300)(Red). DAPI was used for nuclear
staining (blue). Objective: 40x.Perform high
pressure antigen retrieval with 10 mM citrate
buffer pH 6.0 before commencing with IF
staining protocol.