

A7871

Leader in Biomolecular Solutions for Life Science



## ADH7 Rabbit pAb

Catalog No.: A7871

### Basic Information

#### Observed MW

50kDa

#### Calculated MW

41kDa

#### Category

Mouse Monoclonal Antibody

#### Applications

WB, IF/ICC, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### Background

This gene encodes class IV alcohol dehydrogenase 7 mu or sigma subunit, which is 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 enzyme encoded by this gene is inefficient in ethanol oxidation, but is the most active as a retinol dehydrogenase; thus it may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. The expression of this gene is much more abundant in stomach than liver, thus differing from the other known gene family members. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

131

#### Swiss Prot

P40394

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-386 of human ADH7 (NP\_000664.2).

#### Synonyms

ADH4; ADH7

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

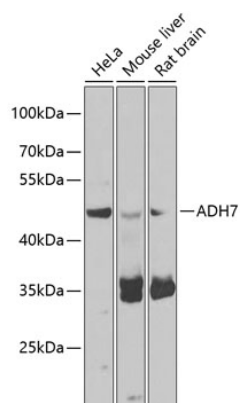
Affinity purification

#### Storage

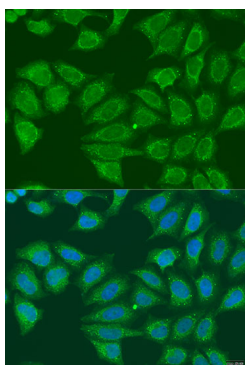
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using ADH7 antibody (A7871) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.



Immunofluorescence analysis of U2OS cells using ADH7 antibody (A7871) at dilution of 1:100. Blue: DAPI for nuclear staining.