

For Research Use Only

# ADHFE1 Polyclonal antibody

Catalog Number: 14674-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 14674-1-AP	<b>GenBank Accession Number:</b> BC064634	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 350 ug/ml	<b>GeneID (NCBI):</b> 137872	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8IWW8	
<b>Isotype:</b> IgG	<b>Full Name:</b> alcohol dehydrogenase, iron containing, 1	
<b>Immunogen Catalog Number:</b> AG6382	<b>Calculated MW:</b> 50 kDa	
	<b>Observed MW:</b> 50 kDa, 40-45 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** HT-29 cells, mouse kidney tissue, mouse liver tissue, rat kidney tissue

**IHC:** human colon tissue, human colon cancer tissue, human liver tissue

## Background Information

The ADHFE1 gene encodes hydroxyacid-oxoacid transhydrogenase which is responsible for the oxidation of 4-hydroxybutyrate in mammalian tissues. It belongs to the iron-containing alcohol dehydrogenase family. ADHFE1 has 4 isoforms produced by alternative splicing with the MW of 50, 45, 32, 27 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Holger Husi	24573165	Circ Cardiovasc Genet	

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

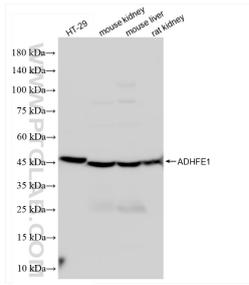
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

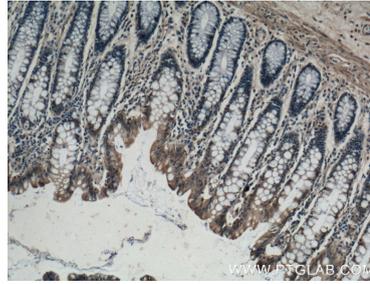
W: [ptgcn.com](http://ptgcn.com)

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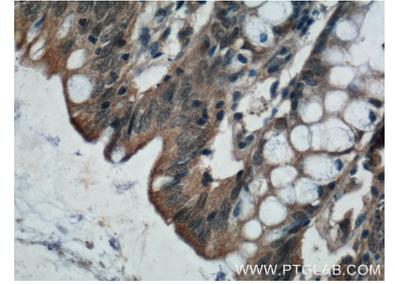
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14674-1-AP (ADHFE1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14674-1-AP (ADHFE1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14674-1-AP (ADHFE1 Antibody) at dilution of 1:200 (under 40x lens).