

For Research Use Only

# EHD4 Polyclonal antibody

Catalog Number: 11382-2-AP

4 Publications



## Basic Information

### Catalog Number:

11382-2-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1942

### GenBank Accession Number:

BC006287

### GeneID (NCBI):

30844

### UNIPROT ID:

Q9H223

### Full Name:

EH-domain containing 4

### Calculated MW:

541 aa, 61 kDa

### Observed MW:

61 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

**WB**: A431 cells, mouse testis tissue, HeLa cells, HEK-293T cells, HepG2 cells, mouse heart tissue, rat heart tissue

**IHC**: human intrahepatic cholangiocarcinoma tissue, human stomach tissue

**IF/ICC**: HepG2 cells,

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

## Background Information

H-domain containing 4, also known as EHD4, belongs to the EHD protein family. Northern blot analysis detected expression of 4 mRNA species of approximately 2.0, 2.7, 3.2, and 3.6 kb. All of the transcripts are highly expressed in pancreas, and the 2.7- and 3.6-kb transcripts are highly expressed in heart. Only weak expression is found in other tissues.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ivana Yeow	28943089	Curr Biol	WB
Quan Zhou	31707150	EBioMedicine	WB
Lingling Zhang	33964295	Life Sci	WB

## 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

\*\*\* 20ul sizes contain 0.1% BSA

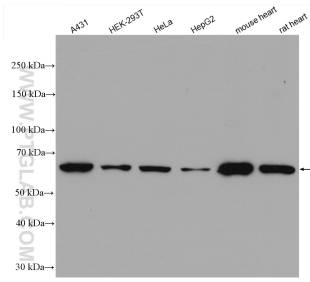
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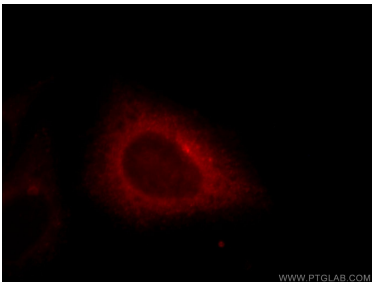
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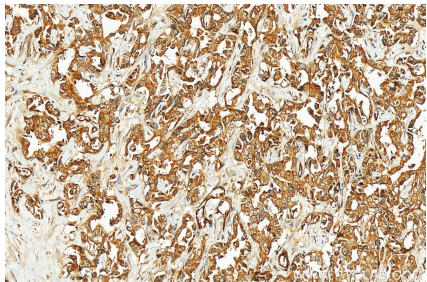
Selected Validation Data



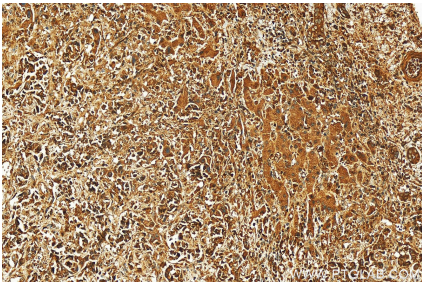
Various lysates were subjected to SDS PAGE followed by western blot with 11382-2-AP (EHD4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



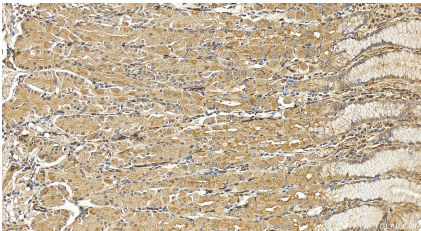
Immunofluorescent analysis of HepG2 cells, using EHD4 antibody 11382-2-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 11382-2-AP (EHD4 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 11382-2-AP (EHD4 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 11382-2-AP (EHD4 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).