

For Research Use Only

# GALK1 Polyclonal antibody

Catalog Number: 15284-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

15284-1-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7403

### GenBank Accession Number:

BC001166

### GeneID (NCBI):

2584

### UNIPROT ID:

P51570

### Full Name:

galactokinase 1

### Calculated MW:

42 kDa

### Observed MW:

42 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

human, pig

**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 : MCF-7 cells, mouse heart tissue, Y79 cells

IHC : human breast cancer tissue,

IF/ICC : MCF-7 cells,

## Background Information

GALK1, also named as GALK, belongs to the GHMP kinase family and GalK subfamily. GALK1, located on chromosome 17q24, encodes galactokinase and is involved in galactose metabolism (PMID: 32807972). The molecular weight of GALK1 is 42 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Gek San Tan	24946162	J Proteome Res	WB
Demin Cai	27250629	Eur J Nutr	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

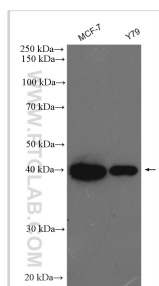
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

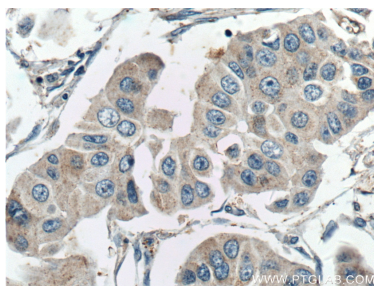
E: proteintech@ptglab.com  
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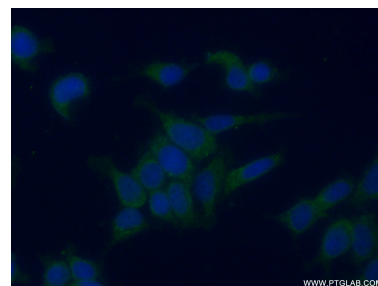
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15284-1-AP (GALK1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15284-1-AP (GALK1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 15284-1-AP (GALK1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).