

For Research Use Only

# ECD Polyclonal antibody

Catalog Number: 10192-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

10192-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0245

### GenBank Accession Number:

BC000721

### GeneID (NCBI):

11319

### UNIPROT ID:

O95905

### Full Name:

ecdysoneless homolog (Drosophila)

### Calculated MW:

73 kDa

### Observed MW:

73 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

WB: HeLa cells,

IP: HeLa cells,

IHC: human ovary cancer tissue,

IF/ICC: HeLa 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

The human suppressor of GCR two (hSGT1) was isolated by its ability to complement the growth defect of the gcr2 mutant of *Saccharomyces cerevisiae*. Further work confirmed that the rescue of growth was associated with recovery of glycolytic enzyme activities of gcr2, and that hSGT1 did not complement the growth defect of a gcr1 mutant. A hybrid protein comprising hSgt1p and the DNA-binding domain of Gal4p (GBD) activated a GAL1-lacZ reporter gene fusion, suggesting that the cloned gene may be a transcriptional activator. Two-hybrid experiments in yeast also indicate that hSgt1p interacts with Gcr1p. Northern analysis showed that hSGT1 is highly expressed in muscle and heart.

## Notable Publications

Author	Pubmed ID	Journal	Application
Song-Hui Xu	26498357	Oncotarget	WB
Xiankun Cao	39826612	J Adv Res	WB,IF

## 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

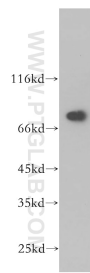
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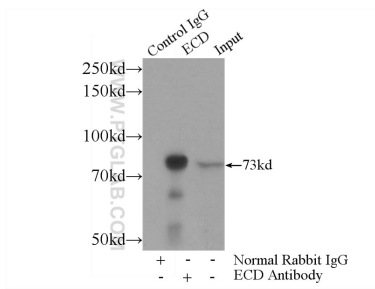
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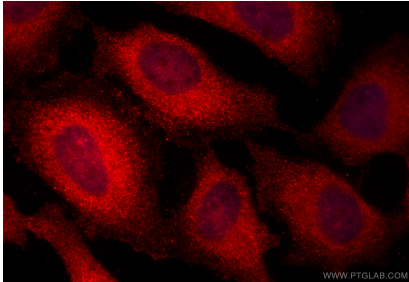
Selected Validation Data



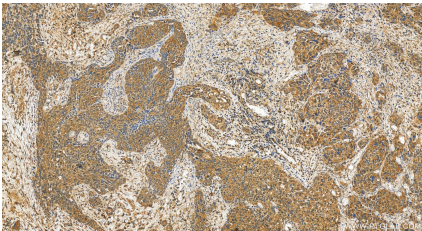
HeLa cells were subjected to SDS PAGE followed by western blot with 10192-1-AP (ECD antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-ECD (IP:10192-1-AP, 4ug; Detection:10192-1-AP 1:300) with HeLa cells lysate 2480ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ECD antibody (10192-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 10192-1-AP (ECD antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).