

For Research Use Only

# SLC2A4RG Polyclonal antibody

Catalog Number: 31429-1-AP



## Basic Information

### Catalog Number:

31429-1-AP

### Size:

150ul , Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG35675

### GenBank Accession Number:

NM\_020062.3

### GeneID (NCBI):

56731

### UNIPROT ID:

Q9NR83

### Full Name:

SLC2A4 regulator

### Calculated MW:

41kDa 387aa

### Observed MW:

30 kDa

### Purification Method:

Antigen affinity Purification

### Recommended Dilutions:

WB 1:1000-1:6000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HeLa cells, PC-3 cells, U2OS cells

## Background Information

SLC2A4RG, or SLC2A4 Regulator, is a nuclear transcription factor that plays a role in activating the solute carrier family 2 member 4 gene, also known as GLUT4. SLC2A4RG has been implicated in the transcriptional regulation of genes, including its interaction with a 7-bp consensus sequence (GCCGGCG), which is an essential cis-regulatory element for Huntington's disease (HD) gene expression in neuronal cells. The SLC2A4RG protein is involved in the modulation of SLC2A4 expression and has been identified as a transcription factor that binds specifically to the promoter region of SLC2A4. It is also known to interact with another transcription factor, myocyte enhancer factor 2 (MEF2), to activate the transcription of SLC2A4. SLC2A4RG is expressed ubiquitously in various tissues, with higher expression levels observed in fat and kidney tissues.

## 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

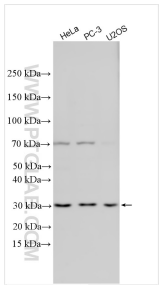
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# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31429-1-AP (SLC2A4RG antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.