

CASZ1 Polyclonal antibody

Catalog Number: 14534-1-AP

Basic Information

Catalog Number:

14534-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6035

GenBank Accession Number:

BC051883

GeneID (NCBI):

54897

UNIPROT ID:

Q86V15

Full Name:

castor zinc finger 1

Calculated MW:

190 kDa

Observed MW:

150 kDa, 250 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : SMMC-7721 cells, C2C12 cells

Background Information

Zinc finger protein castor homolog 1 (CASZ1), also known as zinc finger protein 693 (ZNF693), belongs to the C2H2-type zinc finger protein family. CASZ1 is a transcription factor that is evolutionarily conserved and participates in multiple embryonic development and physiological processes. CASZ1 has been found to regulate aldosterone synthesis and repress the activation of aldosterone target genes, suggesting that it may participate in blood pressure regulation. CASZ1 is ubiquitously expressed in various embryonic tissues. Subcellularly, CASZ1 is usually localized in the cell nucleus, consistent with its role in transcription regulation (PMID: 37509718). CASZ1 has two isoforms namely CASZ1a (i.e., hcasz11, 190 kDa) and CASZ1b (i.e., hcasz5, 125 kDa). The observed molecular weights were 150 kDa and 250 kDa, respectively, consistent with descriptions in the literature (PMID: 32060262).

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

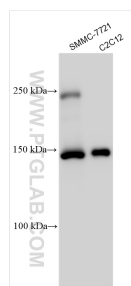
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14534-1-AP (CASZ1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.