

For Research Use Only

CSNK1A1 Monoclonal antibody

Catalog Number: 68434-1-Ig



Basic Information

Catalog Number:

68434-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM_001892

GeneID (NCBI):

1452

UNIPROT ID:

P48729

Full Name:

casein kinase 1, alpha 1

Calculated MW:

42 kDa

Observed MW:

30-40 kDa

Purification Method:

Protein G purification

CloneNo.:

1E2E7

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Rat, Mouse

Positive Controls:

WB : U2OS cells, A549 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

Background Information

CSNK1A1, also named as CK1, belongs to the protein kinase superfamily, CK1 Ser/Thr protein kinase family and Casein kinase I subfamily. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. CSNK1A1 can phosphorylate a large number of proteins. It participates in Wnt signaling. CSNK1A1 phosphorylates CTNNB1 at 'Ser-45'. May play a role in segregating chromosomes during mitosis. This antibody is specific to CSNK1A1.

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

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

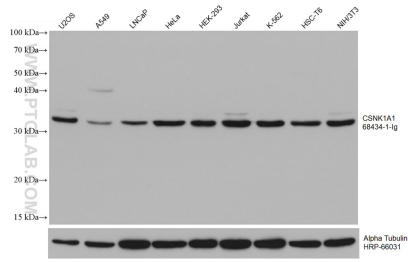
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68434-1-Ig (CSNK1A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.