

For Research Use Only

CSNK1A1 Monoclonal antibody

Catalog Number: 68434-1-Ig



Basic Information

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| Catalog Number: 68434-1-Ig | GenBank Accession Number: NM_001892 | Purification Method: Protein G purification |
| Size: 150ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 1452 | CloneNo.: 1E2E7 |
| Source: Mouse | Full Name: casein kinase 1, alpha 1 | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG1 | Calculated MW: 42 kDa | |
| | Observed MW: 30-40 kDa | |

Applications

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| Tested Applications: WB, ELISA | 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 |
| Species Specificity: Human, Rat, Mouse | |

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

*** 20ul sizes contain 0.1% BSA

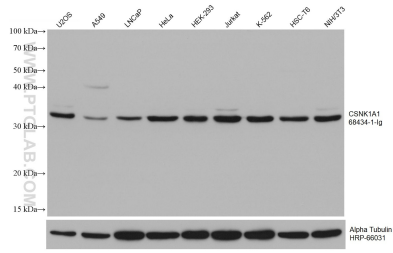
For technical support and original validation data for this product please contact:

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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.