

Anti-Casein Kinase 1 alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

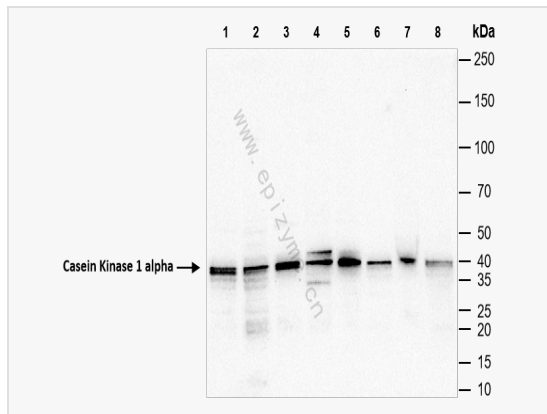
Catalog # R013658

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	78M63M92
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Casein Kinase 1 alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Casein Kinase 1 alpha antibody [78M63M92] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Casein kinase 1 alpha 1, Casein kinase I isoform alpha, CK1, CK1A, CKI alpha, CKI-alpha, CKIa, Clock regulator kinase, Csnk1a1, Down regulated in lung cancer, HLCDGP1, KC1A_HUMAN, PRO2975.
Calculated MW	Calculated MW: 39 kDa; Observed MW: 39 kDa
Uniprot ID	P48729
Gene ID	1452
Background	Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates CTNNB1 at 'Ser-45'. May play a role in segregating chromosomes during mitosis.
Cellular Location	Cytoplasm. Cytoplasm > cytoskeleton > centrosome. Chromosome > centromere > kinetochore. Nucleus speckle. Localizes to the centrosome in interphase cells, and to kinetochore fibers during mitosis.



Western Blot - Anti-Casein Kinase 1 alpha Rabbit mAb [78M63M92]

All lanes: R013658 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Rat heart whole tissue lysates

Lane 7: Rat brain whole tissue lysates

Lane 8: Mouse muscle whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 39 kDa

Observed band size: 39 kDa

Developed using the ECL technique (Cat. No. SQ201).