

Anti-CK1 alpha Antibody

Catalog # AP53794

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q8N752
Other Accession	P48729
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39086

Additional Information

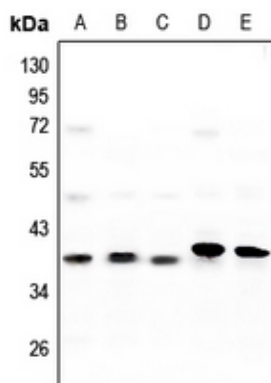
Gene ID	122011
Other Names	CSNK1A1L; Casein kinase I isoform alpha-like; CKI-alpha-like; CK1; CSNK1A1; Casein kinase I isoform alpha; CKI-alpha; CK1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CK1 alpha. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

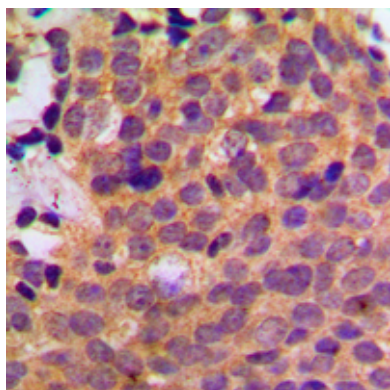
Name	CSNK1A1L
Function	Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling (By similarity).
Cellular Location	Cytoplasm.

Images

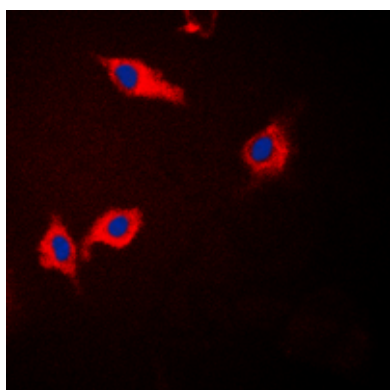
Western blot analysis of CK1 alpha expression in HEK293T (A), A375 (B), SGC7901 (C), mouse testis (D), rat testis (E) whole cell lysates. (Predicted band size: 39; 38 kD;



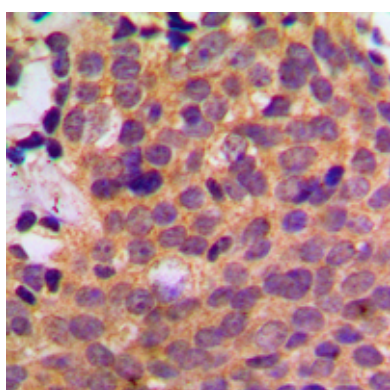
Observed band size: 38 kD)



Immunohistochemical analysis of CK1 alpha staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CK1 alpha staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.