

## CK2a(phospho-Thr360/Ser362) Antibody

Catalog No: #11572



Package Size: #11572-1 50ul #11572-2 100ul

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## Description

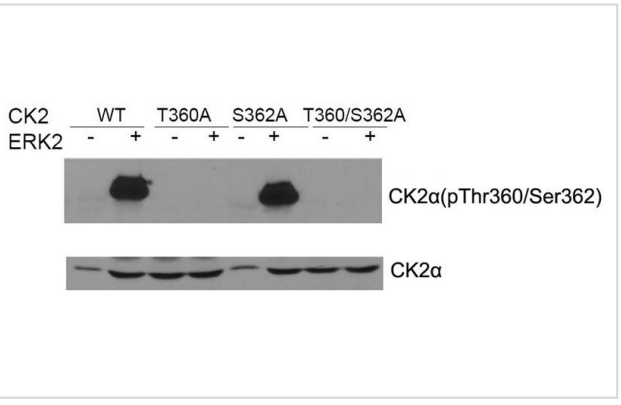
Product Name	CK2a(phospho-Thr360/Ser362) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of CK2 only when phosphorylated at threonine 360.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine360/serine 362 (V-P-T(p)-P-S(p)-P-L) derived from Human CK2a.
Target Name	CK2a
Modification	Phospho
Other Names	CKII; CK2A1; CSNK2A1
Accession No.	Swiss-Prot: P68400NCBI Protein: NP_001894.2
Uniprot	P68400
GeneID	1457;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

Predicted MW: 42kd

Western blotting: 1:1000

## Images



Western blot of CK2a(Phospho- Thr360/Ser362) antibody(#11572) and CK2a antibody(#21572) in vitro kinase assay. Both purified ERK2 and CK2 were used. CK2a(Phospho-Thr360/Ser362) antibody could recognize ERK2 phosphorylated wild type CK2a and CK2a when Ser362 was mutated to alanine .

## Background

Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. The a and a' chains contain the catalytic site. Participates in Wnt signaling. CK2 phosphorylates 'Ser-392' of p53/TP53 following UV irradiation.

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 Keller D.M., Lu H. et al., J. Biol. Chem. 277:50206-50213(2002)  
 Trembley J.H., Tatsumi S., et al., Mol. Cell. Biol. 25:1446-1457(2005)  
 Niefind K., Guerra B., et al., Acta Crystallogr. D 56:1680-1684(2000)

Note: This product is for in vitro research use only