

CK2a(phospho-Thr360/Ser362) Antibody

Catalog No: #11572

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

Description

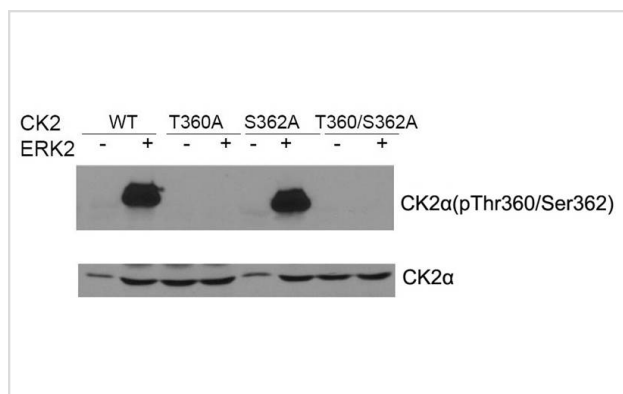
Product Name	CK2a(phospho-Thr360/Ser362) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho 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.
Conjugates	Unconjugated
Target Name	CK2a
Modification	Phospho
Other Names	CKII; CK2A1; CSNK2A1
Accession No.	Swiss-Prot: P68400NCBI Protein: NP_001894.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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 α and α' chains contain the catalytic site. Participates in Wnt signaling. CK2 phosphorylates 'Ser-392' of p53/TP53 following UV irradiation.

Keller D.M., Zeng X., et al., Mol. Cell 7:283-292(2001)

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)

Published Papers

et al., Phenelzine, a small organic compound mimicking the functions of cell adhesion molecule L1, promotes functional recovery after mouse spinal cord injury. In Restor Neurol Neurosci. On 2018 July 22 by Li R, Sahu S et al..PMID: 29889084 , , (2018)

[PMID:29889084](#)

et al., The intracellular domain of L1CAM binds to casein kinase 2 α and is neuroprotective via inhibition of the tumor suppressors PTEN and p53. In J Neurochem on 2015 Jun by Yan Wang , Melitta Schachner et al..PMID: 25727698, , (2015)

[PMID:25727698](#)

et al., Trimebutine, a small molecule mimetic agonist of adhesion molecule L1, contributes to functional recovery after spinal cord injury in mice. In Dis Model Mech on 2017 Sep 1 by Junping Xu, Chengliang Hu, et al..PMID: 28714852, , (2017)

[PMID:28714852](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.