

CK2a Antibody

Catalog No: #21572

Package Size: #21572-1 50ul #21572-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

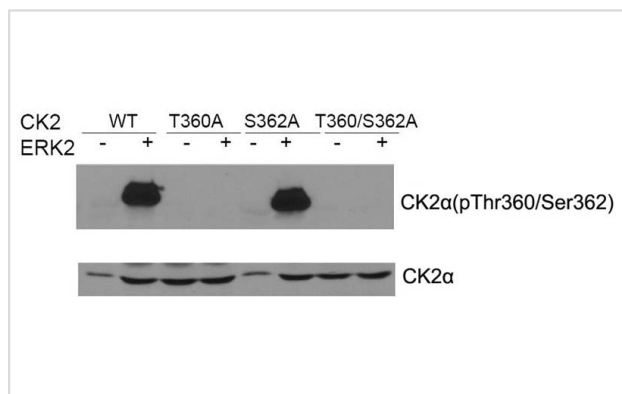
Product Name	CK2a Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total CK2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 353~357 (S-G-I-S-S) derived from Human CK2α.
Target Name	CK2a
Other Names	CKII; CK2A1; CSNK2A1
Accession No.	Swiss-Prot: P68400NCBI Protein: NP_001886.1
Uniprot	P68400
GeneID	1457;
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 CK2aantibody(#21572) in vitro kinase assay. Both purified ERK2 and CK2 were used.

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)

Note: This product is for in vitro research use only