

Rabbit anti-Human CKII alpha Polyclonal Antibody | anti-CKIIalpha antibody

Rabbit anti-CKII alpha Antibody, Affinity Purified

CATALOG # AAA210813	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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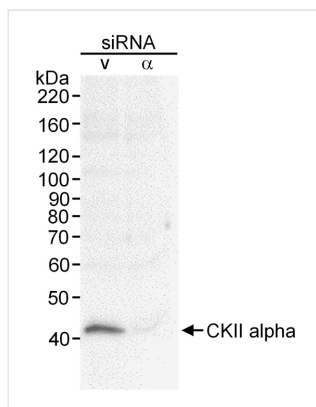
PRODUCT SYNONYMS

CKII alpha; Polyclonal Antibody; Rabbit anti-CKII alpha Antibody; Affinity Purified; CK2A1; OCNDS; CKII; protein kinase CK2; Cka1; CK II alpha; casein kinase II subunit alpha; casein kinase II alpha 1 subunit; casein kinase II alpha 1 polypeptide pseudogene; casein kinase 2; alpha 1 polypeptide; CK2 catalytic subunit alpha; Cka2; Casein kinase II subunit alpha; casein kinase 2 alpha 1; anti-CKIIalpha antibody

PRODUCT SPECIFICATIONS

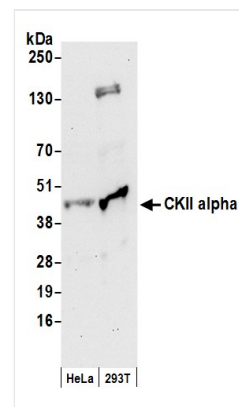
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CKIIalpha antibody	WB (Western Blot)
Predicted Reactivity	Mouse, Rat, Chicken, Bovine
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CKII Alpha by western blot. Sample: RIPA extract (30 ug) from HeLa cells treated with CKII alpha siRNA or vimentin siRNA (v). Antibody: Affinity purified rabbit anti-CKII alpha (Cat. No. AAA210813) used at 0.33 ug/ml. Detection: Chemiluminescence with a 1 minute exposure.



WB (Western Blot)

Detection of human CKII alpha by western blot. Samples: Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CKII alpha antibody AAA210813 (lot AAA210813-1) used for WB at 0.2 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CKIIalpha antibody	Casein kinase II (CKII) is a serine/threonine protein kinase that is required for progression through the cell cycle but whose major functions are not clearly understood. CKII is composed of a heterotetrameric complex that includes alpha and alpha-prime catalytic subunits and a beta non-catalytic subunit. Although from independent genes, CKII alpha and CKII alpha-prime can compensate for each other for some functions. However in response to ionizing radiation (IR) damage, CKII alpha and CKII alpha-prime appear to function independently in inhibiting apoptosis signaling.
Product Categories/Family for anti-CKIIalpha antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	29570793
NCBI GeneID	1457
NCBI Accession #	NP_808228.1
NCBI GenBank Nucleotide #	NM_177560.2
UniProt Accession #	P68400; P19138; P20426; Q14013; Q5U065; B4DYS6; D3DVV8; Q8NEV1
Molecular Weight	45,144 Da
NCBI Official Full Name	casein kinase II subunit alpha isoform b
NCBI Official Synonym Full Names	casein kinase 2, alpha 1 polypeptide
NCBI Official Symbol	CSNK2A1
NCBI Official Synonym Symbols	CKII; CK2A1; CSNK2A3
NCBI Protein Information	casein kinase II subunit alpha; CK II alpha 3; protein kinase CK2; CK2 catalytic subunit alpha; casein kinase II alpha 1 subunit; casein kinase II alpha 1 polypeptide pseudogene
UniProt Protein Name	Casein kinase II subunit alpha
UniProt Gene Name	CSNK2A1
UniProt Synonym Gene Names	CK2A1; CK II alpha
UniProt Entry Name	CSK21_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.