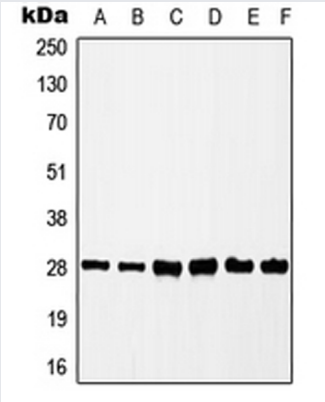
CK2 Beta (Ps209) (CSNK2B) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CK2 beta (pS209) (CSNK2B), Polyclonal Antibody
Full Product Name	Anti-CK2 beta (pS209) Phospho Antibody
Product Gene Name	anti-CSNK2B antibody
Product Synonym Names	CK2N; G5A; Casein kinase II subunit beta; CK II beta; Phosvitin; Protein G5a
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Bovine, Chicken, Pig, Rabbit, Sheep
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CK2 beta (pS209) protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Antibody/Peptide Pairs	CK2 beta (pS209) peptide (MBS823246) is used for blocking the activity of CK2 beta (pS209) antibody (MBS820249)
Molecular Weight	24,942 Da
OMIM	115441
3D Structure	ModBase 3D Structure for P67870
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CK2 beta. The exact sequence is proprietary.
Applications Tested/Suitable for anti-CSNK2B antibody	Western Blot (WB)
Application Notes for anti-CSNK2B antibody	WB (1/500 - 1/1000)
Related Product Information for anti-CSNK2B antibody	MBS820249 is an antibody targeting CSNK2B. Also known as Anti-CK2 beta (pS209) Phospho Antibody. Reactive in Human, Mouse, Rat, Bovine, Chicken, Pig, Rabbit, Sheep. Host: Rabbit. Rabbit polyclonal antibody to CK2 beta (pS209)
Other Notes	Small volumes of anti-CSNK2B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CSNK2B antibody
Western blot analysis of CK2 beta (pS209) expression in HEK293T (A), MCF7 (B), HepG2 (C), K562 (D), mouse liver (E), rat spleen (F) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSNK2B. It may not necessarily be applicable to this product.

NCBI GI #	538260597
NCBI GeneID	1460
NCBI Accession #	NP_001269314.1
UniProt Primary Accession #	P67870
UniProt Secondary Accession #	P07312; P13862; Q4VX47; B0UXA9
UniProt Related Accession #	P67870
GenBank Nucleotide #	NM_001282385.1
NCBI Official Full Name	casein kinase II subunit beta isoform 2
NCBI Official Synonym Full Names	casein kinase 2, beta polypeptide
NCBI Official Symbol	CSNK2B
NCBI Official Synonym Symbols	G5A; CK2B; CK2N; CSK2B
UniProt Protein Name	Casein kinase II subunit beta
UniProt Synonym Protein Names	Phosvitin; Protein G5a
UniProt Gene Name	CSNK2B
UniProt Synonym Gene Names	CK2N; G5A; CK II beta
UniProt Entry Name	CSK2B_HUMAN
NCBI Protein Information	casein kinase II subunit beta; phosvitin; CK II beta; protein G5a; CSNK2B-LY6G5B-532; CSNK2B-LY6G5B-560; Casein kinase II beta subunit; alternative name: G5a, phosvitin; chimera CSNK2B-LY6G5B splicing isoform 532; chimera CSNK2B-LY6G5B splicing isoform 560; casein kinase II b subunit splicing isoform 318; casein kinase II b subunit splicing isoform 660; casein kinase II b subunit splicing isoform 806
NCBI Summary for CSNK2B	This gene encodes the beta subunit of casein kinase II, a ubiquitous protein kinase which regulates metabolic pathways, signal transduction, transcription, translation, and replication. The enzyme is composed of three subunits, alpha, alpha prime and beta, which form a tetrameric holoenzyme. The alpha and alpha prime subunits are catalytic, while the beta subunit serves regulatory functions. The enzyme localizes to the endoplasmic reticulum and the Golgi apparatus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

UniProt Comments for CSNK2B	CK2B: a regulatory subunit of the casein kinase 2 holoenzyme. Exists as a tetramer composed of two catalytic subunits, alpha and alpha-prime, and two regulatory beta subunits. The beta subunits undergo autophosphorylation. Plays a complex role in regulating the basal catalytic activity of the alpha subunit. Participates in Wnt signaling Protein type: Protein kinase, regulatory subunit Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: cytoplasm; plasma membrane; protein kinase CK2 complex; PcG protein complex; cytosol; nucleus Molecular Function: identical protein binding; protein domain specific binding; protein serine/threonine kinase activity; protein binding; metal ion binding; protein kinase regulator activity; transcription factor binding; receptor binding Biological Process: axon guidance; negative regulation of cell proliferation; positive regulation of activin receptor signaling pathway; Wnt receptor signaling pathway; cellular protein complex assembly; regulation of DNA binding; adiponectin-mediated signaling pathway; mitotic cell cycle; signal transduction; negative regulation of blood vessel endothelial cell migration; regulation of protein kinase activity; protein amino acid phosphorylation
Research Articles on CSNK2B	**1.** Asymmetric alpha2beta2 tetramers of casein kinase 2 are organized in trimeric rings that correspond to inactive forms of the enzyme. The new crystal structures presented here reveal the symmetric architecture of the isolated active tetramers.
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