Best Tools for immunology Research

Casein Kinase IIβ (phospho Ser209) Polyclonal Antibody

Catalog No :	YP0732
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Casein Kinase IIβ
Fields :	>>Ribosome biogenesis in eukaryotes;>>NF-kappa B signaling pathway;>>Mitophagy - animal;>>Wnt signaling pathway;>>Adherens junction;>>Alzheimer disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Measles;>>PD-L1 expression and PD-1 checkpoint pathway in cancer
Gene Name :	CSNK2B
Protein Name :	Casein kinase II subunit beta
Human Gene Id :	1460
Human Swiss Prot No :	P67870
Mouse Gene Id :	13001
Mouse Swiss Prot No :	P67871
Rat Gene Id :	81650
Rat Swiss Prot No :	P67874
Immunogen :	The antiserum was produced against synthesized peptide derived from human CKII-beta around the phosphorylation site of Ser209. AA range:166-215
Specificity :	Phospho-Casein Kinase IIβ (S209) Polyclonal Antibody detects endogenous levels of Casein Kinase IIβ protein only when phosphorylated at S209.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

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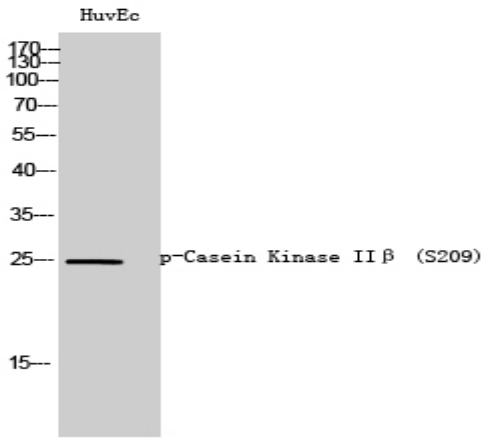
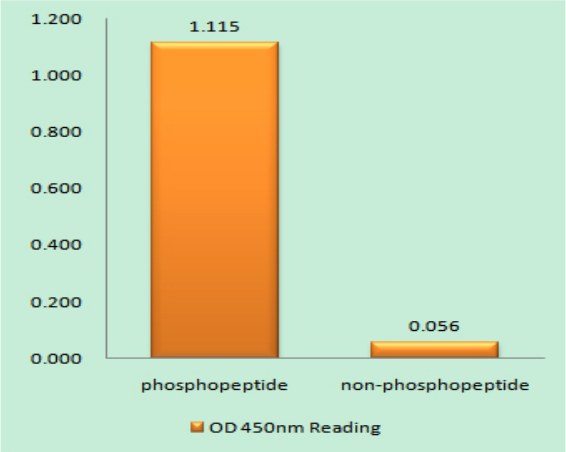
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	25kD
Cell Pathway :	WNT;WNT-T CELLAdherens_Junction;Adherens_Junction;
Background :	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],
Function :	function:Participates in Wnt signaling (By similarity). Plays a complex role in regulating the basal catalytic activity of the alpha subunit.,PTM:N-glycosylated.,PTM:Phosphorylated by alpha subunit.,similarity:Belongs to the casein kinase 2 subunit beta family.,similarity:Contains 1 UPAR/Ly6 domain.,subunit:Forms oligomer.,subunit:Tetramer composed of an alpha subunit, an alpha' subunit and two beta subunits. Interacts with TCTEX1D3 (By similarity). Interacts with CD163. Also component of a CK2-SPT16-SSRP1 complex composed of SSRP1, SUPT16H, CSNK2A1, CSNK2A2 and CSNK2B, the complex associating following UV irradiation.,
Subcellular Location :	nucleus,nucleoplasm,cytoplasm,cytosol,plasma membrane,protein kinase CK2 complex,PcG protein complex,extracellular exosome,
Expression :	Brain,Epithelium,

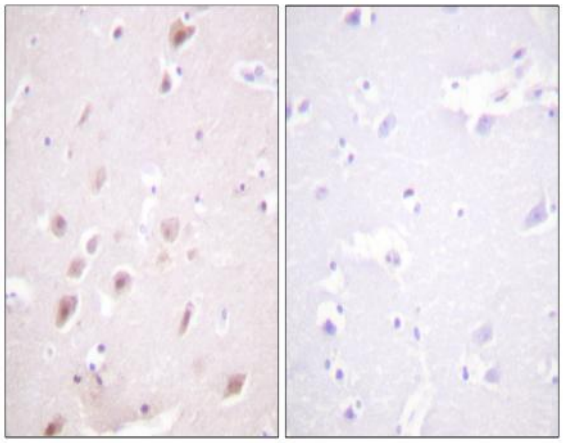
Products Images



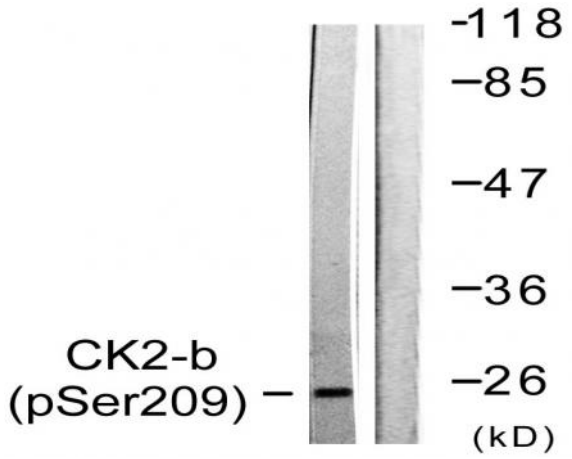
Western Blot analysis of HuvEc cells using Phospho-Casein Kinase IIβ (S209) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CKII-beta (Phospho-Ser209) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using CKII-beta (Phospho-Ser209) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells, using CKII-beta (Phospho-Ser209) Antibody. The lane on the right is blocked with the phospho peptide.