

Datasheet for ABIN272014
anti-CSNK2B antibody

2 Images



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Overview

Quantity:	0.1 mg
Target:	CSNK2B
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSNK2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of CK2-beta protein. (region surrounding Ser205)
Cross-Reactivity (Details):	Species reactivity (expected): Mouse and Rat. Species reactivity (tested): Human.
Purification:	Affinity Chromatography using epitope-specific immunogen.

Target Details

Target:	CSNK2B
Alternative Name:	Casein Kinase II beta (CSNK2B Products)
Background:	Casein kinase I (also designated CKI) and casein kinase II (also designated CKII) compose a family of serine/threonine protein kinases which are present in all eukaryotes examined to date.

Target Details

CKI family members, which include CKI α , γ , ϵ and δ , have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. CKII is usually expressed as a tetrameric complex consisting of either an $\alpha_2\beta_2$ or an $\alpha\alpha'\beta_2$ structure. The α catalytic subunit is stimulated by the β regulatory subunit, which undergoes autophosphorylation. CKII activity is high in the cytosol and nucleus of proliferating and differentiating cells. CKII is known to phosphorylate more than 100 different substrates including nuclear oncoproteins, transcription factors and enzymes involved in DNA metabolism. Synonyms: CK II beta, CK2N, CSNK2B, G5a, Phosvitin

Molecular Weight: approx. 25 kDa

Gene ID: 1460

NCBI Accession: [NP_001311](#)

UniProt: [P67870](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: ELISA: 1/1000approx. 1/5000. Western Blots: 1/500approx. 1/1000. Immunohistochemistry: 1/50approx. 1/200.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.2., 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

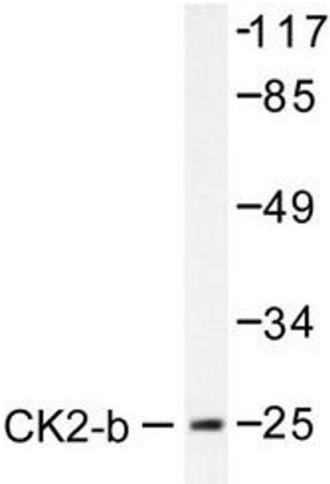


Image 1.

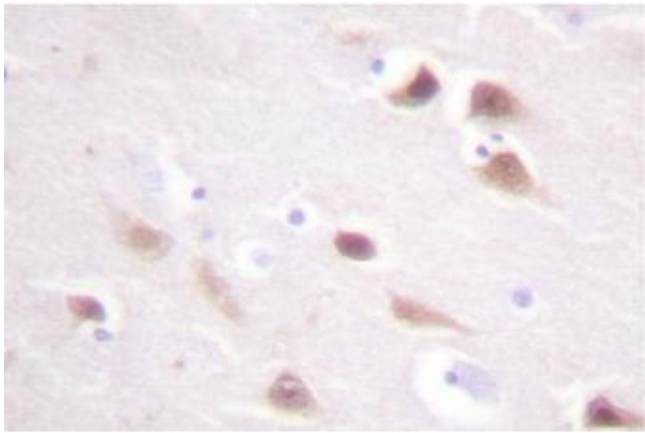


Image 2.