

Product datasheet for **TA323094**

CKII alpha (CSNK2A1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse brain tissue , Hela and Jurkat cells IHC: 25-100 Positive control: Human brain Predicted cell location: Cytoplasm, Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 39-324 amino acids of human casein kinase 2, alpha 1 polypeptide
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	casein kinase 2 alpha 1
Database Link:	NP_001886 Entrez Gene 12995 Mouse Entrez Gene 116549 Rat Entrez Gene 1457 Human P68400



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Background:

Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. The kinase exists as a tetramer and is composed of an alpha; an alpha-prime; and two beta subunits. The alpha subunits contain the catalytic activity while the beta subunits undergo autophosphorylation. The protein encoded by this gene represents the alpha subunit. While this gene is found on chromosome 20; a related transcribed pseudogene is found on chromosome 11. Three transcript variants encoding two different proteins have been found for this gene.

Synonyms:

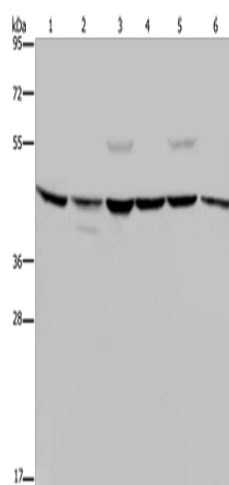
CK2A1; CKII; CSNK2A3

Protein Families:

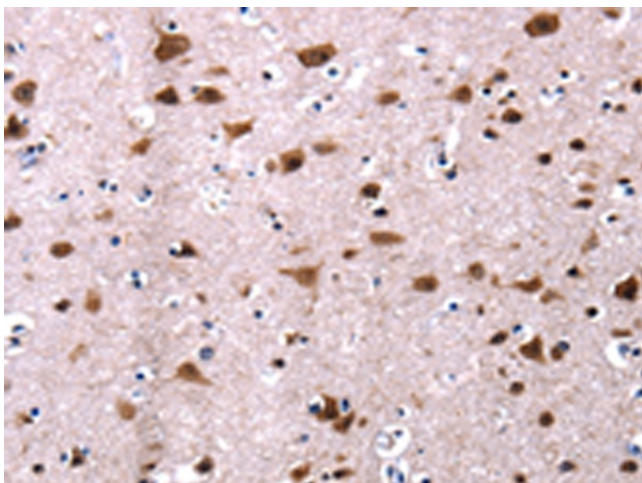
Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

Protein Pathways:

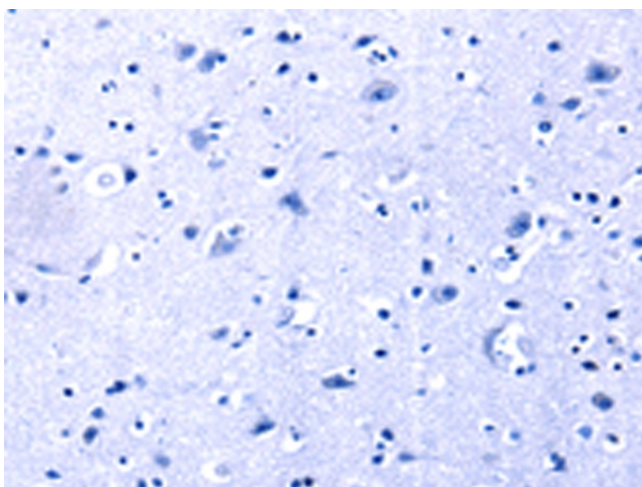
Adherens junction, Tight junction, Wnt signaling pathway

Product images:

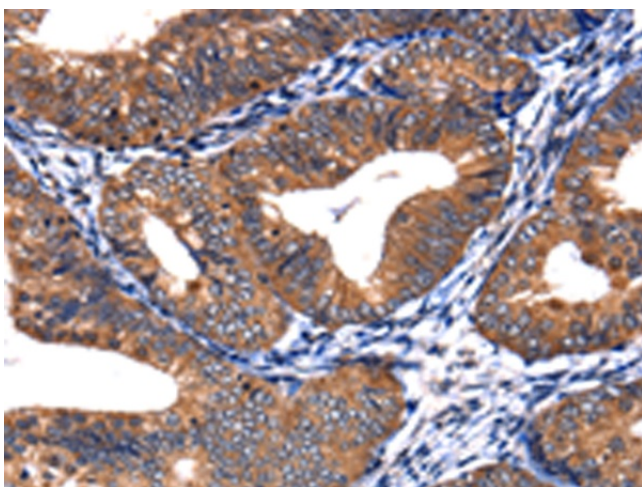
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane 1-3: Mouse brain tissue
HeLa cells
Jurkat cells
Primary antibody: TA323094 (CSNK2A1 Antibody)
at dilution 1/250
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 5 seconds



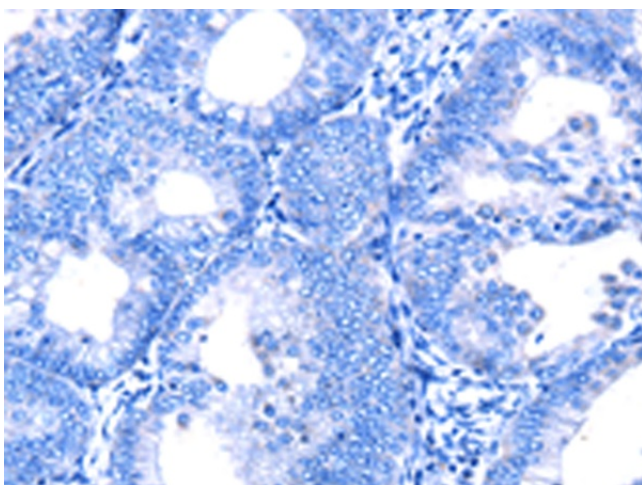
Immunohistochemistry of paraffin-embedded
Human brain tissue using TA323094 (CSNK2A1
Antibody) at dilution 1/13 (Original magnification:
×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA323094 (CSNK2A1 Antibody) at dilution 1/13, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA323094 (CSNK2A1 Antibody) at dilution 1/13 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA323094 (CSNK2A1 Antibody) at dilution 1/13, treated with fusion protein. (Original magnification: $\times 200$)