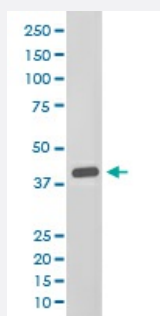


CSNK2A1 monoclonal antibody, clone BBC-3

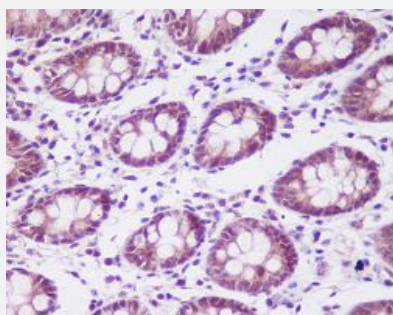
Catalog # MAB19899 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with CSNK2A1 monoclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human colon with CSNK2A1 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CSNK2A1.
Immunogen	A synthetic peptide corresponding to human CSNK2A1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage	Flow Cytometry (1:50) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with CSNK2A1 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human colon with CSNK2A1 monoclonal antibody.

- Flow Cytometry

Gene Info — CSNK2A1

Entrez GeneID	1457
Protein Accession#	P68400
Gene Name	CSNK2A1
Gene Alias	CK2A1, CKII
Gene Description	casein kinase 2, alpha 1 polypeptide
Omim ID	115440
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

CK2 catalytic subunit alpha|OTTHUMP00000029925|OTTHUMP00000029926|casein kinase II alpha 1 subunit|casein kinase II alpha subunit|protein kinase CK2

Pathway

- [Adherens junction](#)
- [Tight junction](#)
- [Wnt signaling pathway](#)

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)