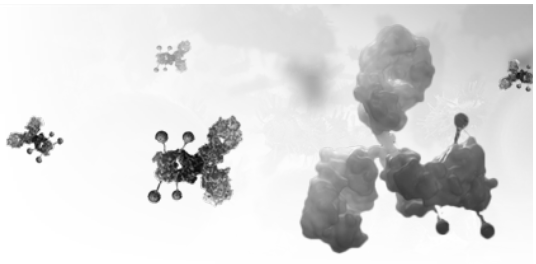

Mouse anti-Human Casein Kinase Iε monoclonal antibody, clone 2 (CABT-B9182)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human Casein Kinase Iε aa. 248-414
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat, Chicken, Dog
Clone	2
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF; IP
Format	Liquid
Concentration	250 μg/ml
Size	50 μg, 150 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	Casein Kinase Iε (CKIε) is a product of a family of proteins involved in the regulation of various

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	cytoplasmic and nuclear processes including DNA replication and repair. CKIε is a 47.3 kDa serine/threonine kinase that plays a role similar to previously described CKI isoforms. It phosphorylates known CKI substrates, including a CKI-specific peptide. In addition, it is inhibited by CKI-7, an inhibitor of other CKI isoforms. CKIε contains a core kinase domain of 285 amino acids which is 53-98% identical to other isoforms and is most similiar in structure to CKIδ. Since various human and yeast CKI proteins exhibit both sequence and functional similarities, CKIε may be involved in mammalian DNA metabolism.
Keywords	CSNK1E; casein kinase 1, epsilon; casein kinase I isoform epsilon; CKIE; CKIepsilon; HCKIE; CKIe; CKI-epsilon; MGC10398;

GENE INFORMATION

Entrez Gene ID	1454
UniProt ID	P49674

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