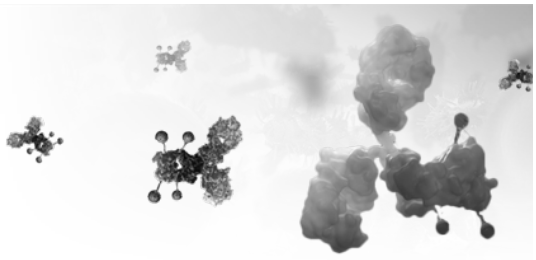

Anti-CDK7 monoclonal antibody, clone MO-1 (CABT-52796MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human Cdk7 antibody, clone MO-1 recognizes human Cyclin-dependent kinase 7, also known as 39kDa protein kinase, Cell division protein kinase 7, Serine/threonine-protein kinase 1 and TFIIH basal transcription factor complex kinase subunit. Cdk7 is a 346 amino acid member of the CDC2/CDKX subfamily of serine/threonine family of protein kinases. Cdk7, as part of the CAK complex is involved with the transcription factor TFIIH and is thought to be involved in the control of cell cycle progression, DNA repair and RNA polymerase II (pol II) transcription. Cdk7 demonstrates ubiquitous muclear expression in normal tissues and is expressed in cancer tissues.
Specificity	CDK7
Immunogen	221 amino acid recombinant fragment of Cdk7 C terminus
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	MO-1
Conjugate	Unconjugated
Applications	IHC-Fr; IP; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	None

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Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CDK7 cyclin-dependent kinase 7 [Homo sapiens (human)]
Official Symbol	CDK7
Synonyms	CDK7; cyclin-dependent kinase 7; CAK1; HCAK; MO15; STK1; CDKN7; p39MO15; CAK; p39 Mo15; protein kinase; 39 KDa protein kinase; kinase subunit of CAK; CDK-activating kinase 1; serine/threonine kinase stk1; cell division protein kinase 7; serine/threonine p
Entrez Gene ID	1022
Protein Refseq	NP_001790
UniProt ID	P50613
Chromosome Location	5q12.1
Pathway	B Cell Receptor Signaling Pathway; Basal transcription factors; Cell Cycle; Cell Cycle, Mitotic; Cell cycle; Cyclin A/B1 associated events during G2/M transition; Cyclin A:Cdk2-associated events at S phase entry; Cyclin D associated events in G1;
Function	ATP binding; DNA-dependent ATPase activity; RNA polymerase II carboxy-terminal domain kinase activity; androgen receptor binding; cyclin-dependent protein serine/threonine kinase activity; protein C-terminus binding; protein binding; protein kinase activity; transcription coactivator activity;

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