



CDC25C Monoclonal Antibody

Catalog No	YP-Ab-16546
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	CDC25C
Immunogen	Purified recombinant fragment of human CDC25C expressed in E. Coli.
Specificity	CDC25C Monoclonal Antibody detects endogenous levels of CDC25C protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CDC25;EC:3.1.3.48;M phase inducer phosphatase 3;M-phase inducer phosphatase 3;CDC25C;Dual specificity phosphatase Cdc25C
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus .
Tissue Specificity	Colon carcinoma,Epithelium,Skin,Testis,
Function	catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,developmental stage:Expressed predominantly in G2 phase., function:Functions as a dosage-dependent inducer in mitotic control. It is a tyrosine protein phosphatase required for progression of the cell cycle. It directly dephosphorylates CDC2 and activate its kinase activity.,PTM:Phosphorylated by CHK1 on Ser-216. This phosphorylation creates a binding site for 14-3-3 protein and inhibits the phosphatase.,similarity:Belongs to the MPI phosphatase family., similarity:Contains 1 rhodanese domain.,subunit:Interacts with HIV-1 Vpr, thereby inactivating CDC25C phosphatase activity.,

**Background**

cell division cycle 25C(CDC25C) Homo sapiens This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Dec 2015],

matters needing attention

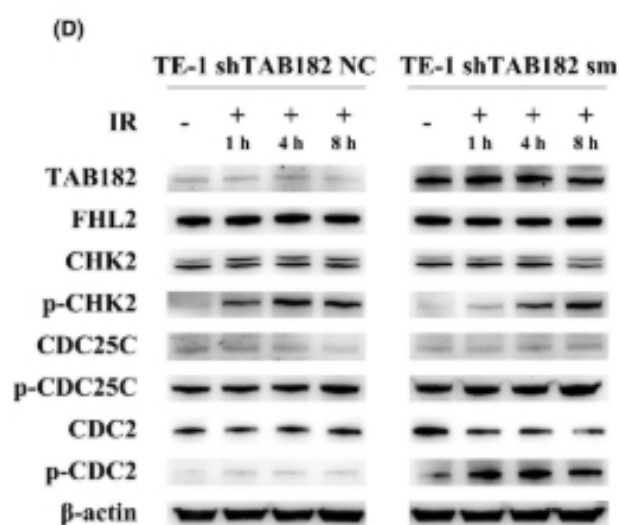
Avoid repeated freezing and thawing!

Usage suggestions

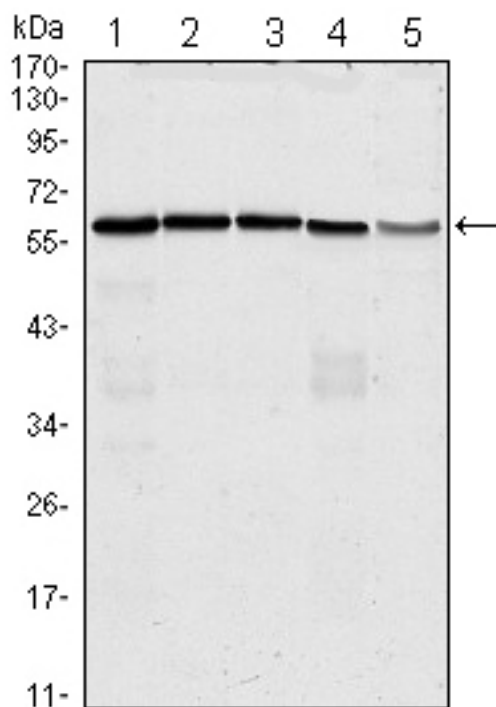
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



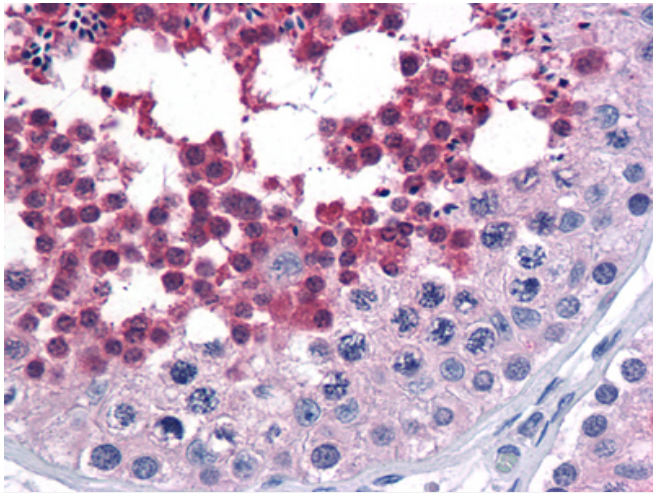
Products Images



Cao, Yuandong, et al. "Elevated TAB182 enhances the radioresistance of esophageal squamous cell carcinoma through G2M checkpoint modulation." *Cancer Medicine* 10.9 (2021): 3101-3112.



Western Blot analysis using CDC25C Monoclonal Antibody against HeLa (1), K562 (2), PC-3 (3), HEK293 (4) and Raw264.7 (5) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human Testis tissues with AEC staining using CDC25C Monoclonal Antibody.