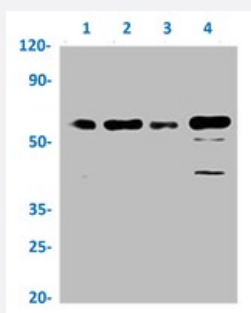RecomAb™

CDC25C recombinant monoclonal antibody, clone 3E6
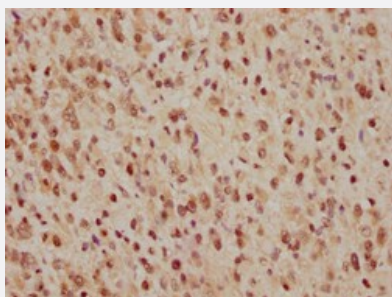
Catalog #   RAB04342   Size   100 uL
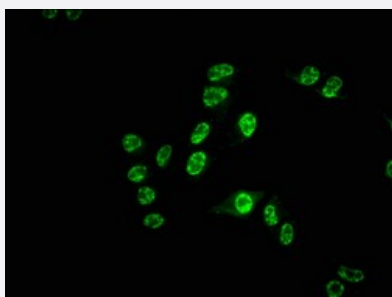
Applications

Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: K562 whole cell lysate, Lane 3: Raji whole cell lysate and Lane 4: 293 whole cell lysate with CDC25C recombinant monoclonal antibody, clone 3E6 (Cat # RAB04342).
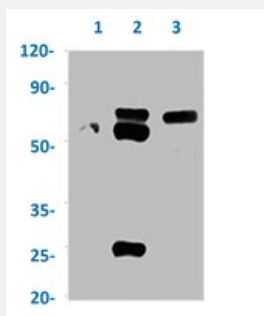

Immunohistochemistry

Immunohistochemical staining of human glioma cancer with CDC25C recombinant monoclonal antibody, clone 3E6 (Cat # RAB04342) (diluated at 1:165).

Immunofluorescence

Immunofluorescent staining of Hela cells with CDC25C recombinant monoclonal antibody, clone 3E6 (Cat # RAB04342) (diluated at 1:55). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Immunoprecipitation

Immunoprecipitation analysis of HEK293 cell lysate with CDC25C recombinant monoclonal antibody, clone 3E6 (Cat # RAB04342).
Lane 1: rabbit control IgG, Lane 2: RAB04342 precipitates and Lane 3: Input (HEK293 whole cell lysate).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CDC25C.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CDC25C.
Theoretical MW (kDa)	Calculated MW: 54, 5
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to 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

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- ## Enzyme-linked Immunoabsorbent Assay

Gene Info — CDC25C

Entrez GeneID	995
Protein Accession#	P30307
Gene Name	CDC25C
Gene Alias	CDC25
Gene Description	cell division cycle 25 homolog C (S. pombe)
Omim ID	157680
Gene Ontology	Hyperlink
Gene Summary	This gene is highly conserved during evolution and it plays a key role in the regulation of cell division. The encoded protein is a tyrosine phosphatase and belongs to the Cdc25 phosphatase family. It directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It is also thought to suppress p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described, however, the full-length nature of many of them is not known. [provided by RefSeq
Other Designations	cell division cycle 25C|cell division cycle 25C protein|dual specificity phosphatase CDC25C|m-phase inducer phosphatase 3|mitosis inducer CDC25|phosphotyrosine phosphatase

Pathway

- Cell cycle

Disease

- Adenocarcinoma

- Esophageal Neoplasms

- Genetic Predisposition to Disease

- Lung Neoplasms

- Pulmonary Disease

- Urinary Bladder Neoplasms

- Werner syndrome