

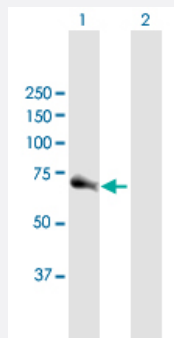
MaxPab®

CDC25A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000993-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CDC25A expression in transfected 293T cell line ([H00000993-T01](#)) by CDC25A MaxPab polyclonal antibody.

Lane 1: CDC25A transfected lysate(57.64 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CDC25A protein.

Immunogen

CDC25A (NP_001780.2, 1 a.a. ~ 524 a.a) full-length human protein.

Sequence

MELGPEPPHRRRLLFACSPPPASQPVVKALFGASAAGGLSPVTNLTVTMDQLQGLGSDYEQPL
EVKNNNSNLQRMGSSESTDGFCGLDSPGPLDSKENLENPMRRIHSLPQKLLGCSPALKRSHSDSL
DHDIFQLIDPDENKENEAFEFKKPVRPVSRGCLHSHGLQEGKDLFTQRQNSAPARMLSSNERDS
SEPGNFIPLFTPQSPVTATLSDEDDGFVDLLDGENLKNEEETPSCMASLWTAPLVMRTTNLDNR
CKLFDSPSLCSSSTRSVLKRPERSQEESPPGSTKRRKSMGASPKESTNPEKAHETLHQSLSLA
SSPKGTIENILDNDPRDLIGDFSKGYLFHTVAGKHQDLKYISPEIMASVLNGKFANLIKEFVIIDCRYP
YEYEGGHIKGAVNLHMEEEVEDFLLKKPIVPTDGKRVVVFHCEFSSERGPRMCRYVRERDRLGN
EYPKLHYPELYVLKGGYKEFFMKCQSYCEPPSYRPMHHEDFKEDLKKFRTKSRTWAGEKSKRE
MYSRLKKL

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — CDC25A

Entrez GeneID [993](#)

GeneBank Accession# [NM_001789.2](#)

Protein Accession# [NP_001780.2](#)

Gene Name CDC25A

Gene Alias CDC25A2

Gene Description cell division cycle 25 homolog A (S. pombe)

Omim ID [116947](#)

Gene Ontology [Hyperlink](#)

Gene Summary CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not been demonstrated. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations M-phase inducer phosphatase 1|cell division cycle 25A|dual specificity phosphatase CDC25A

Pathway

- [Cell cycle](#)

Disease

- [Adenocarcinoma](#)
- [Breast Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)