

Rabbit CDC45 Polyclonal Antibody | anti-CDC45 antibody

CDC45 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326541	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

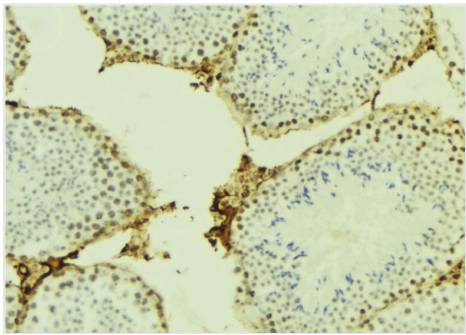
PRODUCT SYNONYMS

CDC45; Polyclonal Antibody; CDC45 Antibody; CDC 45; CDC 45L; CDC45 (cell division cycle 45; S.cerevisiae homolog) like; CDC45 cell division cycle 45 like; CDC45 like; CDC45 related protein; CDC45_HUMAN; CDC45L2; Cell division control protein 45 homolog; Cell division cycle 45 like 2; Cell division cycle 45 like; PORC PI 1; PORC-PI-1; anti-CDC45 antibody

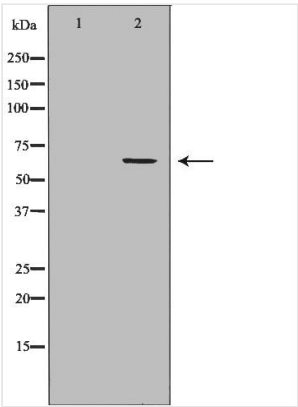
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	cdc45 antibody detects endogenous levels of total cdc45
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	598
Applicable Applications for anti-CDC45 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human cdc45
Subcellular Location	Cytoplasm. Nucleus.
Tissue Specificity	Widely expressed, highest levels are found in adult testis and thymus and in fetal liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326541 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using cdc45 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC45 antibody

Description: The protein encoded by this gene was identified by its strong similarity with *Saccharomyces cerevisiae* Cdc45, an essential protein required to the initiation of DNA replication. Cdc45 is a member of the highly conserved multiprotein complex including Cdc6/Cdc18, the minichromosome maintenance proteins (MCMs) and DNA polymerase, which is important for early steps of DNA replication in eukaryotes. This protein has been shown to interact with MCM7 and DNA polymerase alpha. Studies of the similar gene in *Xenopus* suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]
Function: Required for initiation of chromosomal DNA replication.
Subunit Structure: Associated with ORC2. Interacts with HELB (PubMed:25933514).
Similarity: Belongs to the CDC45 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	295821205
NCBI GeneID	8318
NCBI Accession #	NP_001171481.1
NCBI GenBank Nucleotide #	NM_001178010.2
UniProt Accession #	O75419; O60856; Q20WK8; Q6UW54; Q9UP68; B4ddb4; B4DDU3; E9PDH7
Molecular Weight	Observed: 64 kDa Predicted: 66 kDa
NCBI Official Full Name	cell division control protein 45 homolog isoform 1
NCBI Official Synonym Full Names	cell division cycle 45
NCBI Official Symbol	CDC45
NCBI Official Synonym Symbols	CDC45L; MGORS7; CDC45L2; PORC-PI-1
NCBI Protein Information	cell division control protein 45 homolog
UniProt Protein Name	Cell division control protein 45 homolog
UniProt Gene Name	CDC45
UniProt Synonym Gene Names	CDC45L; CDC45L2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdc45-antibody-immunohistochemistry-western-blot-elisa/326541>