

Rabbit anti-Human CDK12 Polyclonal Antibody | anti-CDK12 antibody

CDK12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234714	Rabbit	Human	Western Blot, ELISA

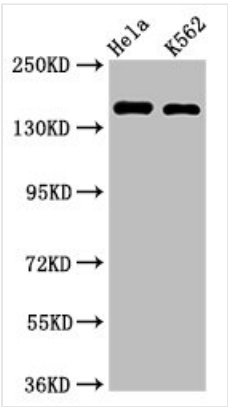
PRODUCT SYNONYMS

CDK12; Polyclonal Antibody; CDK12 Antibody; arginine/serine-rich antibody; Cdc2 related kinase arginine/serine rich antibody; CDC2 related protein kinase 7 antibody; Cdc2-related kinase antibody; CDC2-related protein kinase 7 antibody; Cdk12 antibody; CDK12_HUMAN antibody; Cell division cycle 2 related protein kinase 7 antibody; Cell division cycle 2-related protein kinase 7 antibody; Cell division protein kinase 12 antibody; CRK7 antibody; CRKR antibody; CrkRS antibody; Cyclin-dependent kinase 12 antibody; EC 2.7.11.22 antibody; hCDK12 antibody; kiaa0904 antibody; Pksc antibody; anti-CDK12 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1481
Applicable Applications for anti-CDK12 antibody	WB (Western Blot), ELISA
Immunogen	Recombinant Human Cyclin-dependent kinase 12 protein (1309-1490AA)
Immunogen Species	Homo Sapiens (Human)
Research Area	Signal Transduction
Target Names	CDK12
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



WB (Western Blot)
Positive WB detected in: Hela whole cell lysate, K562 whole cell lysate
All lanes: CDK12 antibody at 2 μg/ml
Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 165, 164, 142 kDa
Observed band size: 165 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CDK12 antibody	Cyclin-dependent kinase that phosphorylates the C-terminal domain (CTD) of the large subunit of RNA polymerase II (POLR2A), thereby acting as a key regulator of transcription elongation. Regulates the expression of genes involved in DNA repair and is required for the maintenance of genomic stability. Preferentially phosphorylates 'Ser-5' in CTD repeats that are already phosphorylated at 'Ser-7', but can also phosphorylate 'Ser-2'. Required for RNA splicing, possibly by phosphorylating SRSF1/SF2. Involved in regulation of MAP kinase activity, possibly leading to affect the response to estrogen inhibitors.
Product Categories/Family for anti-CDK12 antibody	Cancer; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	157817073
NCBI GeneID	51755
NCBI Accession #	NP_055898.1
NCBI GenBank Nucleotide #	NM_015083.2
UniProt Accession #	Q9NYV4; O94978; A7E2B2; B4DYX4; B9EIQ6
Molecular Weight	141,449 Da
NCBI Official Full Name	cyclin-dependent kinase 12 isoform 2
NCBI Official Synonym Full Names	cyclin dependent kinase 12
NCBI Official Symbol	CDK12
NCBI Official Synonym Symbols	CRK7; CRKR; CRKRS
NCBI Protein Information	cyclin-dependent kinase 12
UniProt Protein Name	Cyclin-dependent kinase 12
UniProt Gene Name	CDK12
UniProt Synonym Gene Names	CRK7; CRKRS; KIAA0904; CrkRS; CDC2-related protein kinase 7; hCDK12

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.

