

Rabbit CDK12 Polyclonal Antibody | anti-CDK12 antibody

CDK12 Polyclonal Antibody

CATALOG # AAA178988	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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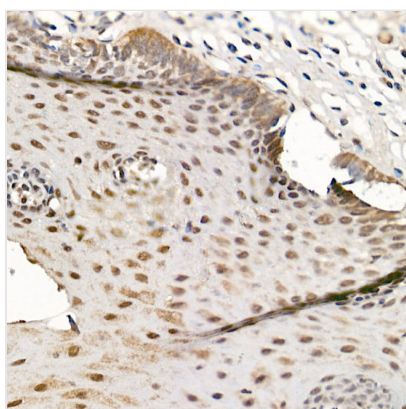
PRODUCT SYNONYMS

CDK12; Polyclonal Antibody; CDK12 Polyclonal Antibody; CRK7; CRKR; CRKRS; anti-CDK12 antibody

PRODUCT SPECIFICATIONS

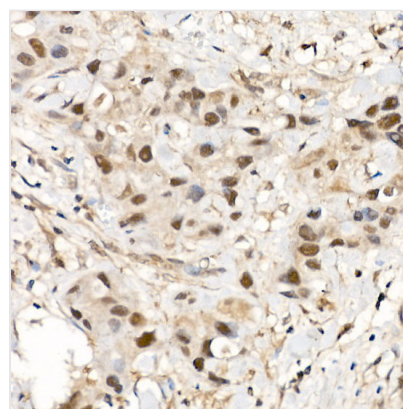
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-CDK12 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human CDK12
Research Area	Cancer, Signal Transduction
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



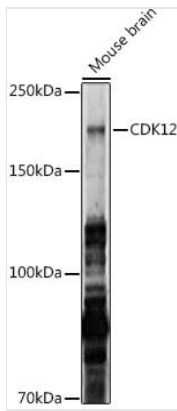
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using CDK12 Polyclonal Antibody at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



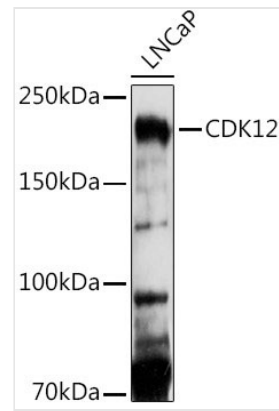
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using CDK12 Polyclonal Antibody at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of Mouse brain using CDK12 Polyclonal Antibody at 1:1000 dilution.



WB (Western Blot)

Western blot analysis of extracts of LNCaP cells using CDK12 Polyclonal Antibody at 1:1000 dilution.

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	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	157817023
NCBI GeneID	51755
NCBI Accession #	NP_057591.2
NCBI GenBank Nucleotide #	NM_016507.3
UniProt Accession #	Q9NYV4; O94978; A7E2B2; B4DYX4; B9EIQ6
Molecular Weight	141,449 Da
NCBI Official Full Name	cyclin-dependent kinase 12 isoform 1
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; CDC2-related protein kinase 7; cell division protein kinase 12; Cdc2-related kinase, arginine/serine-rich; cell division cycle 2-related protein kinase 7
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
UniProt Entry Name	CDK12_HUMAN

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.

