

Datasheet for ABIN7266230
anti-CDK12 antibody (AA 80-290)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	CDK12 (CRKRS)
Binding Specificity:	AA 80-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	CDK12 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 80-290 of human CDK12 (NP_057591.2).
Sequence:	SDTFSDDMAF KLDRRENDER RGSDRSDDLH KHRHHQHRRS RDLLKAKQTE KEKSQEVSSK SGSMKDRISG SSKRSNEETD DYGKAQVAKS SSKESRSSLK HKEKTRKERE LKSGHKDRSK SHRKRETPKS YKTVDSPKRR SRSPHRKWSD SSKQDDSPSG ASYGQDYDLS PSRSHTSSNY DSYKKSPGST SRRQSVSPPY KEPSAYQSST R
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: CDK12 (CRKRS)

Alternative Name: CDK12 ([CRKRS Products](#))

Background: 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.,CDK12,CRK7,CRKR,CRKRS,Cancer,Signal Transduction,Kinase,Tyrosine kinases,CDK12

Molecular Weight: 141kDa/163kDa/164kDa

Gene ID: 51755

UniProt: [Q9NYV4](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

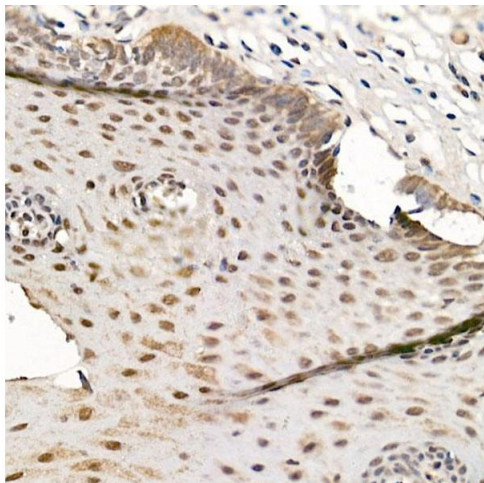
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

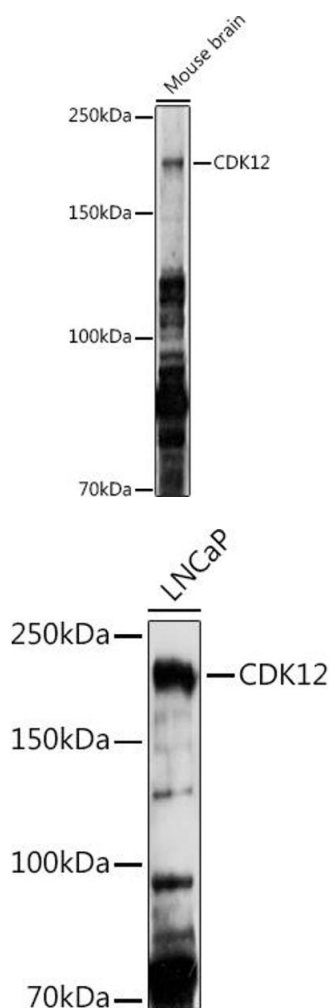
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human esophagus using CDK12 Rabbit pAb (ABIN7266230) 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.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse brain, using CDK12 antibody (ABIN7266230) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Western Blotting

Image 3. Western blot analysis of extracts of LNCaP cells, using CDK12 antibody (ABIN7266230) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7266230.