CDK12 Polyclonal Antibody

catalog number: **E-AB-90992**

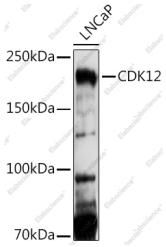
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human CDK12
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200

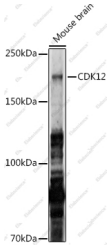
Data



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

Observed-MW:205 kDa

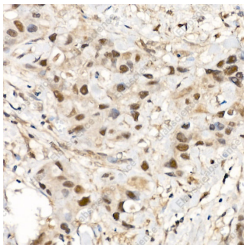
Calculated-MW:141 kDa/163 kDa/164 kDa



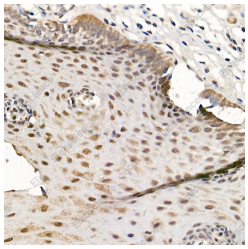
Western blot analysis of extracts of Mouse brain using CDK12 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:205 kDa

Calculated-MW:141 kDa/163 kDa/164 kDa



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.



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.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Toll-free: 1-888-852-8623
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Email: techsupport@elabscience.com

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.

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