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Datasheet for ABIN7148852

anti-CDK12 antibody (AA 1309-1490) (Biotin)

Overview

Quantity:	100 µg
Target:	CDK12 (CRKRS)
Binding Specificity:	AA 1309-1490
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK12 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Cyclin-dependent kinase 12 protein (1309-1490AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CDK12 (CRKRS)
Alternative Name:	CDK12 (CRKRS Products)
Background:	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

Target Details

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.

Aliases: 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

UniProt: [Q9NYV4](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.