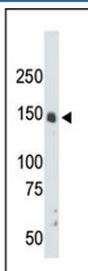


CrkRS Antibody / CDK12 / Cyclin-dependent kinase 12 (F55075)

Catalog No.	Formulation	Size
F55075-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55075-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-2 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
UniProt	Q9NYV4
Applications	Western Blot : 1:500-1:1000
Limitations	This CrkRS antibody is available for research use only.



Western blot testing of mouse liver tissue lysate with CrkRS antibody. Predicted molecular weight ~164 kDa.

Description

CrkRS, also known as Cdc2-related kinase, arginine/serine-rich, CDK12 and Cyclin-dependent kinase 12, is a 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. It also regulates the expression of genes involved in DNA repair and is required for the maintenance of genomic stability.

Application Notes

Titration of the CrkRS antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this CrkRS antibody.

Storage

Aliquot the CrkRS antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.