CDK12 Antibody

Catalog No: #37508

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

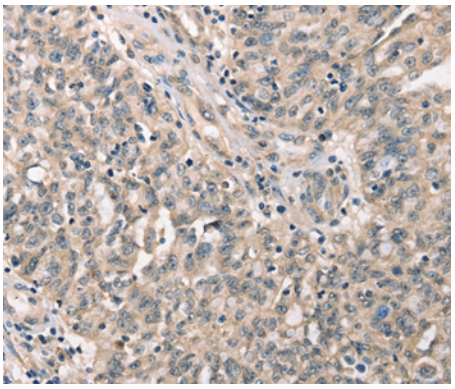
Description

Product Name	CDK12 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CDK12 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human cyclin-dependent kinase 12
Target Name	CDK12
Other Names	CRK7; CRKR; CRKRS; hCDK12
Accession No.	Swiss-Prot#: Q9NYV4NCBI Gene ID: 51755Gene Accssion: NP_057591
Uniprot	Q9NYV4
GeneID	51755;
Concentration	3.1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

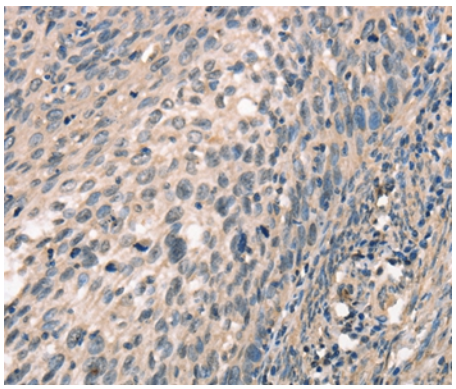
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue using #37508 at dilution 1/30.



Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using #37508 at dilution 1/30.

Background

CrkRS (Cdc2-related kinase, arginine/serine-rich, also designated CRK7 and CRKR) is an ubiquitous protein that appears to localize to the nucleus and link transcription and splicing machinery. CrkRS belongs to the serine/threonine protein kinase family and Cdc2/Cdkx subfamily. CrkRS has extensive proline-rich regions that resemble SH3 and WW domain binding sites, and an RS domain that is characteristic of splicing factors. The protein kinase domain of CrkRS is 89% identical to the CHED protein kinase, also designated CDC2L5 and cell division cycle 2-like 5 (cholinesterase-related cell division controller), however outside the kinase domains the two proteins are unique. Cell cycle control kinases can phosphorylate proteins important for differentiation and apoptosis and provide connections between proliferation, differentiation, apoptosis, and neurocytoskeleton dynamics.

Note: This product is for in vitro research use only