
Product Name: CDK5RAP3 Rabbit Monoclonal Antibody**Catalog #: AMRe85235**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:10-1:20
Molecular Weight	Calculated MW: 57 kDa; Observed MW: 70 kDa

Antigen Information

Gene Name	CDK5RAP3
Alternative Names	C53; IC53; LZAP; HSF-27; MST016; PP1553; OK/SW-cl.114
Gene ID	80279.0
SwissProt ID	Q96JB5
Immunogen	A synthetic peptide of human CDK5RAP3

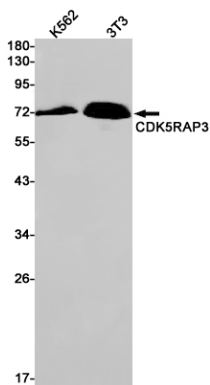
Background

Probable tumor suppressor initially identified as a CDK5R1 interactor controlling cell proliferation (PubMed:12054757, PubMed:12737517). Negatively regulates NF-kappa-B-mediated gene transcription through the control of RELA phosphorylation (PubMed:17785205, PubMed:20228063). Also regulates mitotic G2/M transition checkpoint and mitotic G2

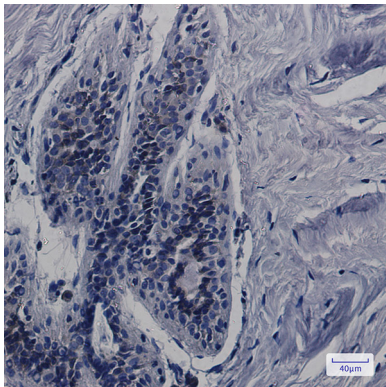
DNA damage checkpoint (PubMed:15790566, PubMed:19223857). Through its interaction with CDKN2A/ARF and MDM2 may induce MDM2-dependent p53/TP53 ubiquitination, stabilization and activation in the nucleus, thereby promoting G1 cell cycle arrest and inhibition of cell proliferation (PubMed:16173922). May play a role in the unfolded protein response, mediating the ufmylation of multiple proteins in response to endoplasmic reticulum stress (PubMed:23152784). May also play a role in the rupture of the nuclear envelope during apoptosis (PubMed:23478299). May regulate MAPK14 activity by regulating its dephosphorylation by PPM1D/WIP1 (PubMed:21283629).

Research Area

Image Data



Western blot analysis of CDK5RAP3 in K562, Hela lysates using CDK5RAP3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using CDK5RAP3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.