

Product Name: KD-Validated CDK5RAP3 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00401

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 56.9kDa

Antigen Information

Gene Name	CDK5RAP3
Alternative Names	CDK5RAP3; CDK5 Regulatory Subunit Associated Protein 3; IC53; LZAP; OK/SW-Cl.114; MST016; HSF-27; C53; LXXLL/Leucine-Zipper-Containing ARF-Binding Protein; LXXLL/Leucine-Zipper-Containing ARFbinding Protein; Ischemic Heart CDK5 Activator-Binding Protein C53; CDK5 Regulatory Subunit-Associated Protein 3; FLJ13660; CDK5 Regulatory Subunit Associated Protein IC53-2; CDK5 Activator-Binding Protein C53; Protein HSF-27; PP1553
Gene ID	80279.0
SwissProt ID	Q96JB5
Immunogen	A synthesized peptide derived from human CDK5RAP3

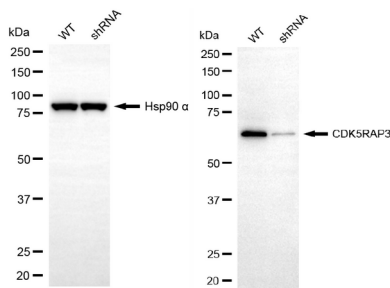
Background

This gene encodes a protein that has been reported to function in signaling pathways governing transcriptional regulation and cell cycle progression. It may play a role in tumorigenesis and metastasis. A pseudogene of this gene is located on the long arm of chromosome 20. Alternative splicing results in multiple transcript variants that encode different isoforms. [provided by RefSeq, May 2013]

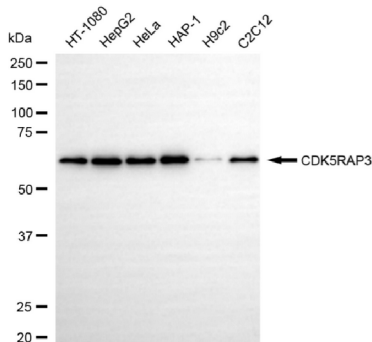
Research Area

Cell Biology, Signal Transduction, Cancer

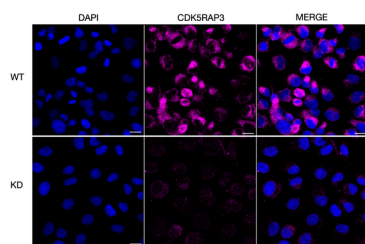
Image Data



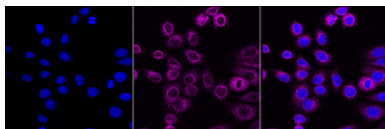
Western blotting analysis using CDK5RAP3 antibody (KVA00401). CDK5RAP3 expression in wild-type (WT) and CDK5RAP3 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CDK5RAP3 antibody (KVA00401, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



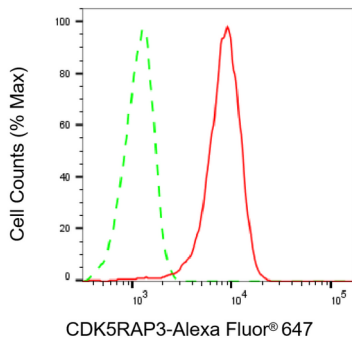
Western blotting analysis using CDK5RAP3 antibody (KVA00401). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CDK5RAP3 antibody (KVA00401, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using CDK5RAP3 antibody (KVA00401, 1:1,000), Top panel: wild-type (WT); Bottom panel: CDK5RAP3 shRNA knockdown (KD). Nuclei were stained blue with DAPI; CDK5RAP3 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with CDK5RAP3 antibody (KVA00401, 1:1,000). Nuclei were stained blue with DAPI; CDK5RAP3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of CDK5RAP3 expression in HepG2 cells using CDK5RAP3 antibody (KVA00401, 1:2,000). Green, isotype control; red, CDK5RAP3.