Anti-CDK5RAP3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R011107

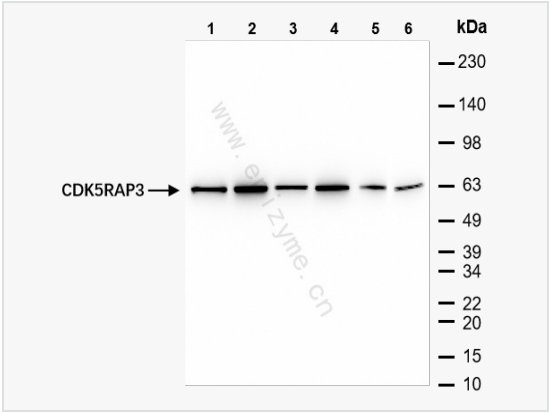
Product Information

Application	ELISA, IF (Cell)/ICC, WB, IHC-P/IF (Tissue-P)
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	69M02M13
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CDK5RAP3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CDK5RAP3 Rabbit mAb [69M02M13] is for research use only and not for use in diagnostic or therapeutic procedures.

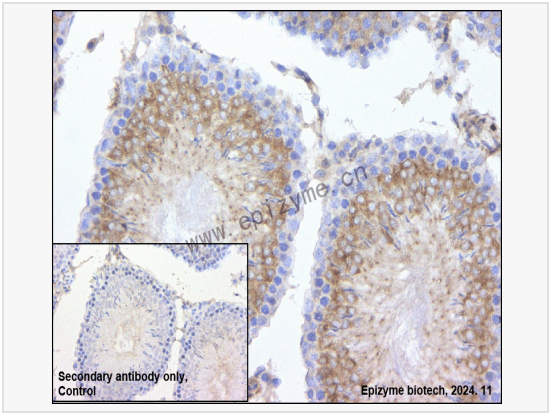
Protein Information

Synonyms	C53, CDK5 activator binding protein C53, CDK5 activator-binding protein C53, CDK5 regulatory subunit associated protein 3, CDK5 regulatory subunit-associated protein 3, Cdk5rap3, CK5P3_HUMAN, HSF 27, HSF27, IC53, Ischemic heart CDK5 activator binding protein C53, LXXLL/leucine zipper containing ARFbinding protein, LZAP, MST016, OK/SW cl.114, PP1553, Protein HSF-27.
Calculated MW	Calculated MW: 57 kDa; Observed MW: 63 kDa
Uniprot ID	Q96JB5
Gene ID	80279
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]
Cellular Location	Phosphorylated in vitro by CDK5.
Tissue Location	Ubiquitous. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Isoform 3 is expressed in kidney, liver, skeletal muscle and placenta.

Validation Images



Western Blot - Anti-CDK5RAP3 Rabbit mAb [69M02M13]
All lanes: R011107 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell)whole cell lysates
Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: Mouse muscle whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 57 kDa
Observed band size: 63 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-CDK5RAP3 Rabbit mAb [69M02M13]
Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011107 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.

Immunohistochemistry - Anti-CDK5RAP3 Rabbit mAb [69M02M13]
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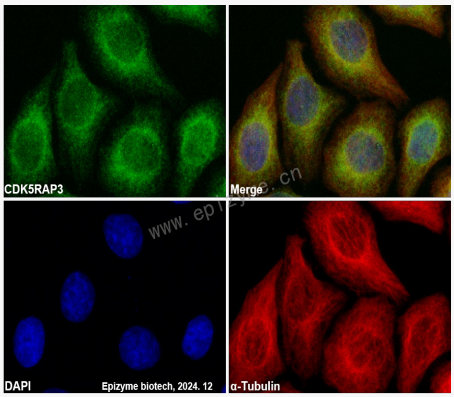
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.

Immunohistochemistry - Anti-CDK5RAP3 Rabbit mAb [69M02M13]
Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011107 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-CDK5RAP3 Rabbit mAb [69M02M13]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R011107 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).