# CDK5RAP2 Recombinant Rabbit Monoclonal Antibody (13H61L16)

| Product Details | |
|---|---|
| Size | 100 µg |
| Species Reactivity | Human |
| Host/Isotype | Rabbit / IgG |
| Expression system | Expi293 |
| Class | Recombinant Monoclonal |
| Type | Antibody |
| Clone | 13H61L16 |
| Conjugate | Unconjugated |
| Immunogen | Protein corresponding to human CDK5RAP2 [aa1-aa300] |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Protein A |
| Storage buffer | PBS, pH 7.4 |
| Contains | 0.09% sodium azide |
| Storage conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2688298 |

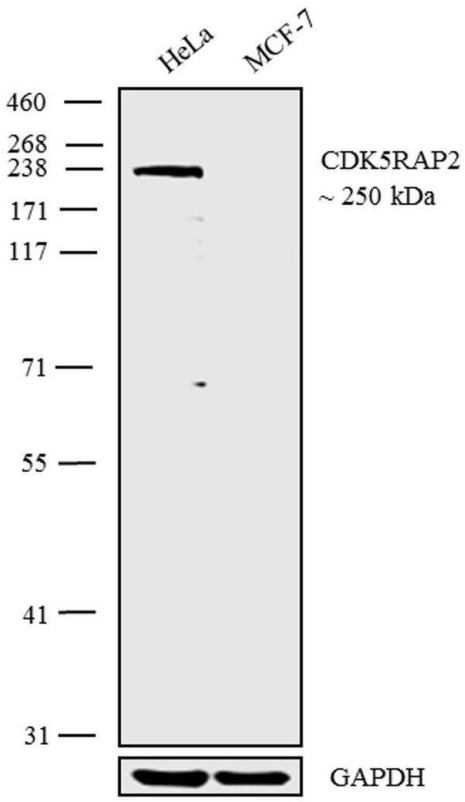
| Applications | Tested Dilution | Publications |
|---|---|---|
| Western Blot (WB) | 1-2 µg/mL | - |
| Immunocytochemistry (ICC/IF) | 2 µg/mL | - |

### Product Specific Information

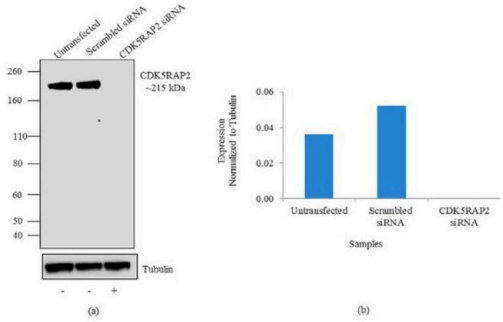
This antibody is predicted to react with Monkey, Cat, Rat

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

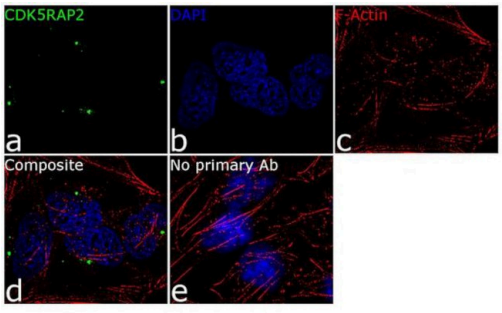
## Product Images For CDK5RAP2 Recombinant Rabbit Monoclonal Antibody (13H61L16)




**CDK5RAP2 Antibody (702394) in WB**
Western blot analysis was performed on membrane extracts (30 µg lysate) of HeLa (Lane 1) and MCF-7 (Lane 2). The blots were probed with Anti-CDK5RAP2 Recombinant Rabbit Monoclonal Antibody (Product # 702394, 1-2 µg/mL). A 250 kDa band corresponding to CDK5RAP2 was observed as shown. The blots were detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg /mL, 1:5000 dilution). Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with wet transfer. The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).




**CDK5RAP2 Antibody (702394)**
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with CDK5RAP2 siRNA and decrease in signal intensity was observed when compared to controls in Western blot application using Anti-CDK5RAP2Recombinant Rabbit Monoclonal Antibody (product # 702394). {KD}




**CDK5RAP2 Antibody (702394) in ICC/IF**
For immunofluorescence analysis, HeLa cells were fixed and permeabilized for detection of endogenous CDK5RAP2 using Anti- CDK5RAP2 Recombinant Rabbit Monoclonal Antibody (Product # 702394, 2 µg/mL) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of CDK5RAP2 protein (green), Panel b) is stained for nuclei (blue) using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). Panel c) represents cytoskeletal F-actin staining using Rhodamine Phalloidin (Product # R415, 1:300). Panel d) is a composite image of panels a, b and c clearly demonstrating localization of CDK5RAP2 at the centrosomes. Panel e) represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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