

ROC1 Ab-1

Rabbit Polyclonal Antibody

Cat. #RB-069-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 1.0mg/ml) (Purified Ab with BSA and Azide)

Cat. #RB-069-P1ABX or -PABX (0.5ml or 1.0ml at 1.0mg/ml) (Purified Ab without BSA and Azide)

Cat. #RB-069-PCL (0.1ml) (Positive Control for Western Blot)

Description: ROC1 and ROC2 are the two highly conserved RING finger proteins that are homologous to APC11, a subunit of the anaphase-promoting complex(APC). ROC1 and ROC2 commonly interact with all cullins while APC11 specifically interacts with APC2, a cullin-related APC subunit. ROC1 and APC11 immunocomplexes can catalyze isopeptide ligations to form polyubiquitin chains in an E1- and E2-dependent manner. ROC1 is thought to play a unique role in the ubiquitination reaction by heterodimerizing with cullin1 to catalyze ubiquitin polymerization.

Mol. Wt. of Antigen:13kDa

Epitope: aa 97-108

Species Reactivity: Human and Mouse. Others-not known.

Immunogen: A peptide corresponding to amino acid residue 97-108 (CPLDNREWEFQKYGH) from C-terminus of the human ROC1.

Applications and Suggested Dilutions:

- Immunoprecipitation (Native verified)
(Use Protein A; Ab at 10µg/mg protein lysate)
- Western Blotting (5-10µg/ml for 2hrs at RT)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: HeLa cells.

Cellular Localization: Nuclear

Storage and Stability: Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Supplied As:

Total IgG purified from rabbit anti-serum by Protein A chromatography. Prepared at 1mg/ml in 10mM

PBS, pH 7.4, with 0.2% BSA & 0.09% sodium azide. Also available without BSA and azide at 1mg/ml.

Suggested References:

1. Ohta T, et al. Mol Cell 1999 Apr; 3(4): 535.
2. Tan P, et al. Mol Cell 1999 Apr; 3 (4): 527.
3. Skowyra D, et al. Science 1999. 284 (5414): 662.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. NeoMarkers makes no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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