Positive Control Lysate for ROC1 (Ring Finge Protein) Ab-1

Human Cells-8 Lysate

Cat. #RB-069-PCL (250 µg in 0.1 ml) (Ready-To-Use for Western Blotting)

Please note this data sheet has been changed effective December 19, 2011

Specificity and Comments:

Human cells-8 have a high level expression of ROC1 (Ring Finge Protein). ***NEOMARKERS'*** Ab-1 shows a band at 13kDa on this positive control cell lysate. 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. Combinations of ROC/APC11 and cullin proteins potentially constitute a wide variety of ubiquitin ligases. ROC1 is thought to play a unique role in the ubiquitination reaction by heterodimerizing with cullin1 to catalyze ubiquitin polymerization.

Supplied As:

250ug of total protein cell lysate in 0.1ml of 1X PAGE-sample buffer containing DTT.

Known Applications:

- Western Blotting (Use ***NEOMARKERS'*** Ab-1) [Load 20ul of the positive control cell lysate onto one lane of mini-gel.]

Storage and Stability:

Store vial below 0°C. When stored below 0°C, this lysate is stable for 12 months.

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. We make 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 actual 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.

NEOMARKERS' Other Related Antibodies:

APC2 (PAb), APC11 (PAb), Cullin-1 (PAb), Cullin-2 (PAb), Cyclin A (E23, E72, PAb), Cyclin B1 (V152, PAb), Cyclin C (PAb), Cyclin D1 (DCS-6, DCS-11, PAb), Cyclin D2 (DCS-3.1, DCS-5.2), Cyclin D3 (DCS-22, DCS-28.1, PAb), p15 (DCS-114, 2 x PAbs), p16 (DCS-50.1/A7, ZJ11, PAb), p18 (PAbs), p19 (DCS-100, PAbs), $p21^{WAF1}$ (4 x Abs), $p27^{KIP1}$ (DCS-72.F6, PAb), $cdk1/p34^{cdc2}$ (A17.1.1, POH-1, PAbs), cdk2 (2 MAbs, PAb), cdk3 (PAb), cdk4 (DCS-35, DCS-31, PAbs), cdk6 (K6.83, K6.90, PAb), cdk7 (MO-1.1), cdk8 (PAb), PCNA (PC10), BrdU, Topoisomerase II α (JH2.7)

Material Safety Data:

This product is not licensed or approved for administration to humans or to 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.

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