
Positive Control Lysate for Ku (p70) Ab-4

Human Cells-6 Lysate

Cat. #MS-329-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-6 has a high level expression of Ku (p70) protein. **NEOMARKERS'** Ab-4 shows a single band at 70kDa on this positive control cell lysate. Ku (p70), a 70kDa protein, is identified as p70 subunit of Ku. The Ku autoantigen is a heterodimer of 70kDa (p70) and ~80kDa (p80) proteins. The p70/p80 dimer is important for function of a 460kDa DNA-dependent protein kinase that phosphorylates certain transcription factors, including Sp1, Oct-1, p53, and SV40 large T antigen *in vitro*. Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.

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-4)
[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 Products:

Abs: DNA-PKcs (18-2, 25-4, 42-psc), Ku (111, 162, N3H10, S5C11, N9C1, S10B1), p95^{vav} (vav30).

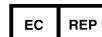
Material Safety Data:

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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