10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Leupaxin (N-terminal region) Antibody

Catalog # AN1832

Product Information

Application	WB
Primary Accession	O60711
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	43332

Additional Information

Gene ID	9404
Other Names	Paxillin
Target/Specificity	The paxillin family of LIM domain-containing proteins includes paxillin, Hic-5, and leupaxin. Similar to other family members, leupaxin is composed of multiple functional modules, including leucine and aspartate motifs and LIM domains. These domains suggest that leupaxin is a molecular adaptor that may be important for integrin-mediated cell signaling. Leupaxin was identified in leukocytes, and has been shown to be expressed in non-hematopoietic lineage cells, including vascular smooth muscle cells and certain cancer cells. In prostate cancer cells, leupaxin expression intensity is directly linked to cancer progression. Leupaxin localizes to the podosomal signaling complex in murine osteoclasts where it may be important for rearrangement of cytoskeletal components. The function of leupaxin in regulating the cytoskeleton may involve protein-protein interactions between leupaxin and focal adhesion proteins, such as Pyk2, FAK, Src, Lyn, and PTP-PEST.
Dilution	WB~~1:1000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Leupaxin (N-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

The paxillin family of LIM domain-containing proteins includes paxillin, Hic-5, and leupaxin. Similar to other family members, leupaxin is composed of multiple functional modules, including leucine and aspartate motifs and LIM domains. These domains suggest that leupaxin is a molecular adaptor that may be important for integrin-mediated cell signaling. Leupaxin was identified in leukocytes, and has been shown to be expressed in non-hematopoietic lineage cells, including vascular smooth muscle cells and certain cancer

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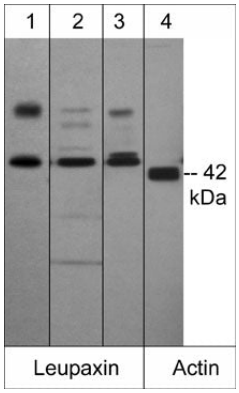
Images



Western blot analysis of leupaxin in human PC-3, rat A7r5, and human A431 cells. The blot was probed with anti-Leupaxin (N-terminal region) at 1:1000 (Lanes 1-3). Anti-Actin molecular weight standard is shown in lane 4.