

For Research Use Only

Alix Recombinant monoclonal antibody

Catalog Number: 86644-1-RR



Basic Information

Catalog Number: 86644-1-RR	GenBank Accession Number: BC020066	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10015	CloneNo.: 251574C12
Source: Rabbit	UNIPROT ID: Q8WUM4	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: programmed cell death 6 interacting protein	
Immunogen Catalog Number: AG3074	Calculated MW: 868 aa, 96 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293T cells, PANC-1 cells, Jurkat cells, NIH/3T3 cells
Species Specificity: human, mouse	

Background Information

ALG-2-interacting protein 1 (ALIX), also known as AIP1 or Hp95, is encoded by PDCD6IP gene and is involved in cell death through mechanisms involving its binding partner ALG-2 (apoptosis-linked gene-2). ALG-2 is a 22-kDa protein containing five serially repetitive EF-hand structures and is defined as a regulator of calcium-induced apoptosis following endoplasmic reticulum (ER) stress. ALIX interacts with ALG-2 through its C-terminal proline-rich region and participates in formation of multivesicular bodies. Recent finding suggest that ALIX is a critical component of caspase 9 activation and apoptosis triggered by calcium. The alix antibody recognizes an additional band of 75-80 kDa which has also been observed in cells and exosomes.

Storage

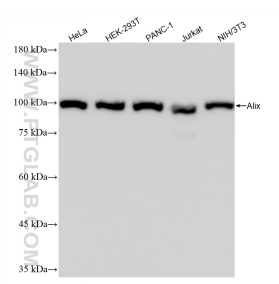
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

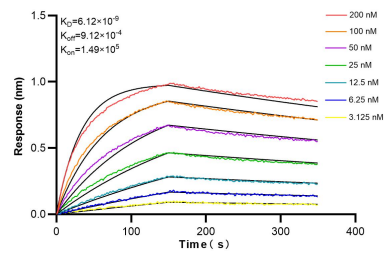
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86644-1-RR (ALIX; AIP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86644-1-RR against Human Alix were performed. The affinity constant is 6.12 nM.