

For Research Use Only

Alix Recombinant monoclonal antibody, PBS Only

Catalog Number: 86644-1-PBS



Basic Information

Catalog Number: 86644-1-PBS	GenBank Accession Number: BC020066	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10015	CloneNo.: 251574C12
Source: Rabbit	UNIPROT ID: Q8WUM4	
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, Indirect ELISA

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 -80°C.

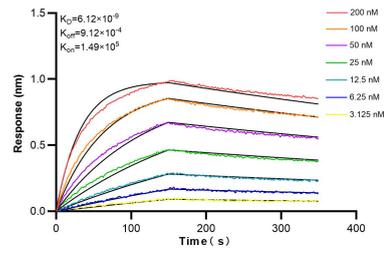
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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. This data was developed using the same antibody clone with 86644-1-PBS in a different storage buffer formulation.



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