

For Research Use Only

MRPS27 Monoclonal antibody, PBS Only



Catalog Number: 66724-1-PBS

Basic Information

Catalog Number: 66724-1-PBS	GenBank Accession Number: BC030521	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23107	CloneNo.: 1B1B3
Source: Mouse	UNIPROT ID: Q92552	
Isotype: IgG2b	Full Name: mitochondrial ribosomal protein S27	
Immunogen Catalog Number: AG11047	Calculated MW: 168 aa, 19 kDa, 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human

Background Information

Genes encoding PPR (pentatricopeptide repeat)-containing proteins constitute one of the largest gene families in plants. The majority of these proteins are predicted to target organelles and to bind to RNA. Strikingly, there is a dearth of these proteins in mammals, although genomic searches reveal six candidates, all of which are also predicted to target the mitochondrion. One of these proteins, MRPS27 is participated in transcription and translation respectively. [PMID:18939947] MRPS27 is a component of the small subunit of the mitochondrial ribosome that is encoded by the nuclear genome [PMID: 11279123].

Storage

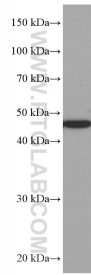
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

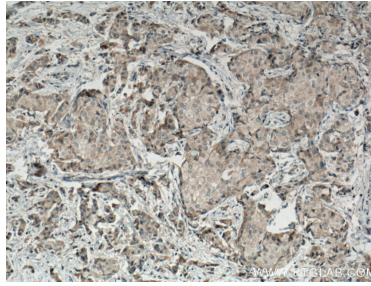
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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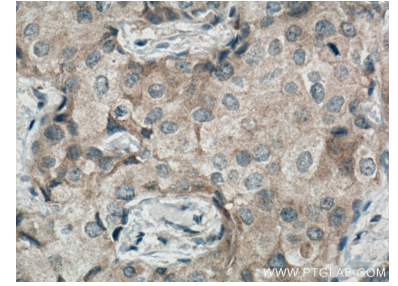
Selected Validation Data



LNCaP cells were subjected to SDS PAGE followed by western blot with 66724-1-Ig (MRPS27 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66724-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66724-1-Ig (MRPS27 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66724-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66724-1-Ig (MRPS27 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66724-1-PBS in a different storage buffer formulation.