

For Research Use Only

MMS2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86551-3-PBS



Basic Information

Catalog Number: 86551-3-PBS	GenBank Accession Number: BC007051	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7336	CloneNo.: 251485F12
Source: Rabbit	UNIPROT ID: Q15819	
Isotype: IgG	Full Name: ubiquitin-conjugating enzyme E2 variant 2	
Immunogen Catalog Number: AG1111	Calculated MW: 16 kDa	
	Observed MW: 16-18 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

MMS2 encodes a 137-amino acid, 15.2-kDa protein with significant sequence homology to a conserved family of ubiquitin-conjugating (Ubc) proteins (PMID: 9576943). Mms2 is a ubiquitin E2-variant protein with a very well-documented function in the tolerance pathway that protects both human and yeast cells from the lethal and mutagenic effects of DNA damage (PMID: 36934633). A high expression level of human MMS2 is associated with poor survival prognosis in different cancer diseases (PMID: 36934633).

Storage

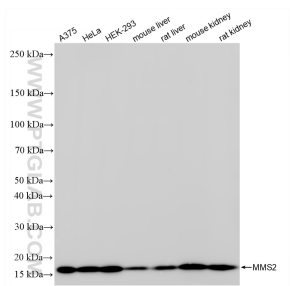
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

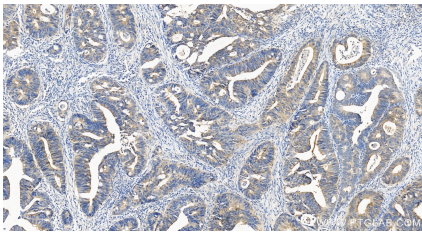
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

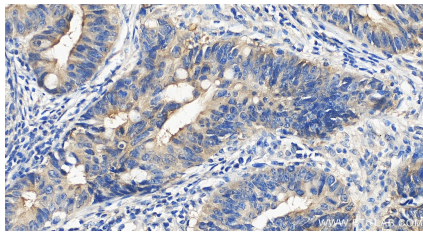
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86551-3-RR (MMS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86551-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 86551-3-RR (MMS2 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86551-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 86551-3-RR (MMS2 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86551-3-PBS in a different storage buffer formulation.