

For Research Use Only

RBM47 Recombinant antibody

Catalog Number: 86009-1-RR



Basic Information

Catalog Number: 86009-1-RR	GenBank Accession Number: BC126261	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 54502	CloneNo.: 250436H8
Source: Rabbit	UNIPROT ID: A0AV96	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:250-1:1000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: RNA binding motif protein 47	
Immunogen Catalog Number: AG20984	Calculated MW: 593 aa, 64 kDa Observed MW: 64 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : MCF-7 cells, A549 cells, Caco-2 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human colon tissue, IF/ICC : A549 cells,

Background Information

RBM47, also known as RNA-binding motif protein 47 or RNA-binding protein 47, is a vertebrate-conserved RBP containing three RNA-recognition motifs (RRMs) that perform multifaceted roles in RNA editing, early embryonic development, and cancer. Recent studies suggest that RBM47 functions as a tumor suppressor. It has been shown to suppress the progression of breast and colon cancers. RBM47 represents a molecular switch of cell fate decisions that functions as a regulator of the p53/p21-signaling axis. (PMID: 34499322, PMID: 31511650)

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

For technical support and original validation data for this product please contact:

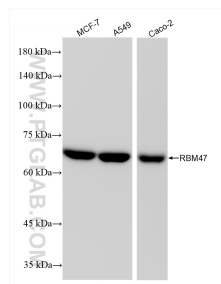
T: 4006900926

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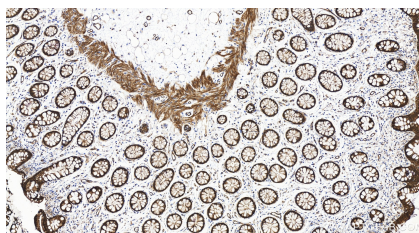
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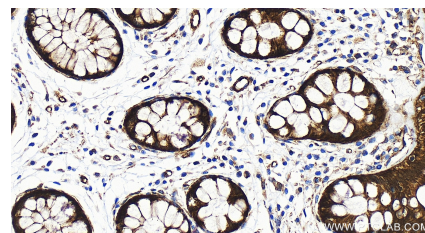
Selected Validation Data



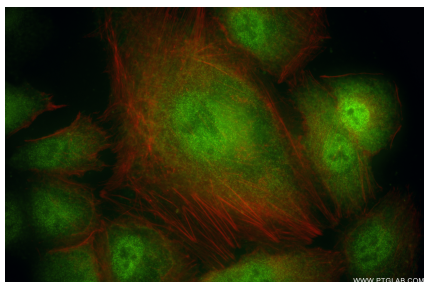
Various lysates were subjected to SDS PAGE followed by western blot with 86009-1-RR (RBM47 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



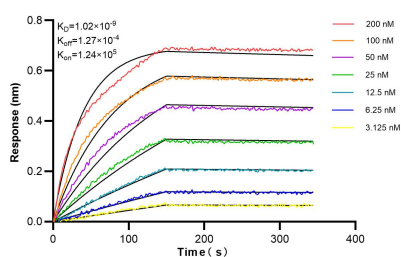
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 86009-1-RR (RBM47 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (4% PFA) fixed A549 cells using RBM47 antibody (86009-1-RR, Clone: 250436H8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86009-1-RR against Human RBM47 were performed. The affinity constant is 1.02 nM.