

For Research Use Only

POLB Recombinant monoclonal antibody

Catalog Number: 86680-1-RR



Basic Information

Catalog Number: 86680-1-RR	GenBank Accession Number: BC100288	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5423	CloneNo.: 251689B8
Isotype: IgG	UNIPROT ID: P06746	Recommended Dilutions: WB: 1:5000-1:50000 IF-P: 1:200-1:800
Immunogen Catalog Number: AG12496	Full Name: polymerase (DNA directed), beta	
	Calculated MW: 335 aa, 38 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : K-562 cells, COLO 320 cells, C6 cells, mouse spleen tissue, rat spleen tissue, mouse brain tissue, rat brain tissue
	IF-P : mouse brain tissue,

Background Information

DNA polymerase β (DNA polymerase beta (POLB)) belongs to a member of the DNA polymerase X family, mainly involved in various biological metabolic processes, such as eukaryotic DNA replication, DNA damage repair, gene recombination, and cell cycle regulation (PMID: 38731327).

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:

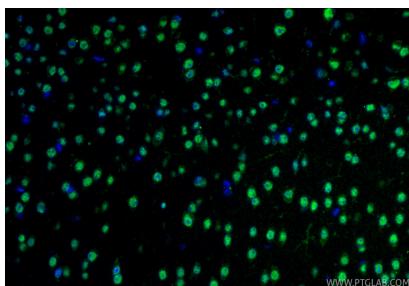
T: 4006900926

E: Proteintech-CN@ptglab.com

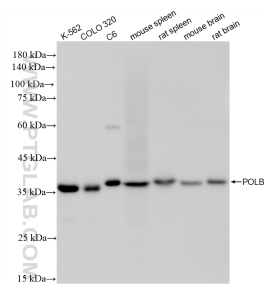
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using POLB antibody (86680-1-RR, Clone: 251689B8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 86680-1-RR (POLB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.