

For Research Use Only

EXD2 Recombinant antibody

Catalog Number: 85832-4-RR



Basic Information

Catalog Number: 85832-4-RR	GenBank Accession Number: BC001962	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 55218	CloneNo.: 250133E4
Source: Rabbit	UNIPROT ID: Q9NVH0	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: exonuclease 3'-5' domain containing 2	
Immunogen Catalog Number: AG14090	Calculated MW: 70 kD aa, 56 kDa	
	Observed MW: 56 kDa, 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse lung tissue, A431 cells, fetal human brain tissue, mouse pancreas tissue, mouse brain tissue. rat brain tissue

Background Information

EXD2 (Exonuclease 3'-5' Domain Containing 2), is a protein with exonuclease activity of 3'-5' nucleic acid, which is involved in many biological processes in cells, including DNA repair, RNA processing and mitochondrial translation. EXD2 protein is mainly located in mitochondrial outer membrane, intermediate fiber cytoskeleton and DNA damage site. This protein may be a potential drug target in some cancers. For example, in ALT (telomere selective elongation) dependent cancer, the co-elimination of EXD2 with BLM, DNA2 or POLD3 may mediate synthetic lethality. In addition, EXD2 inhibitors may exert anticancer effects by inhibiting mitochondrial translation and metabolic reprogramming. It has two isoforms with molecular weights of 56 kDa and 70 kDa respectively.

Storage

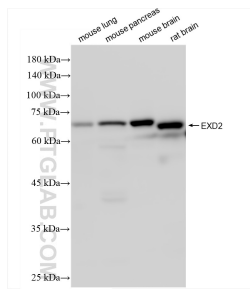
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85832-4-RR (EXD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.