

For Research Use Only

EXD2 Recombinant antibody

Catalog Number: 85832-4-RR



Basic Information

Catalog Number:

85832-4-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14090

GenBank Accession Number:

BC001962

GeneID (NCBI):

55218

UNIPROT ID:

Q9NVH0

Full Name:

exonuclease 3'-5' domain containing

2

Calculated MW:

70 kDa aa, 56 kDa

Observed MW:

56 kDa, 70 kDa

Purification Method:

Protein A purification

CloneNo.:

250133E4

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

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

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

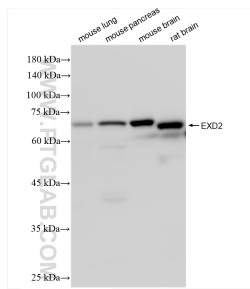
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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