

For Research Use Only

FDX1 Polyclonal antibody

Catalog Number: 34182-1-AP



Basic Information

Catalog Number: 34182-1-AP	GenBank Accession Number: BC017063	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 14148	Recommended Dilutions: WB: 1:1000-1:6000
Isotype: IgG	UNIPROT ID: P46656	
Immunogen Catalog Number: AG41687	Full Name: ferredoxin 1	
	Calculated MW: 184 aa, 19 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse lung tissue, rat testis tissue, mouse testis tissue, rat liver tissue
Species Specificity: mouse, rat	

Background Information

Ferredoxin 1 (FDX1) is a small mitochondrial protein and recent studies have shown that FDX1 plays an important role in tumor cuproptosis. FDX1 expression is significantly downregulated in HCC tissues. FDX1 downregulation promotes HCC cell proliferation, invasion in vitro and growth, metastasis in vivo. In addition, FDX1 affects metabolism of HCC cells and is associated with autophagy (PMID: 39128228). FDX1 is localized to the mitochondria and contains a 64-amino-acid mitochondrial transit peptide that is cleaved during post-translational processing.

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:

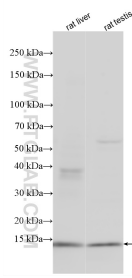
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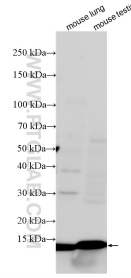
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34182-1-AP (FDX1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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