

For Research Use Only

# NDUFAF4 Polyclonal antibody

Catalog Number: 26003-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 26003-1-AP	<b>GenBank Accession Number:</b> BC039464	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 29078	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4	
<b>Isotype:</b> IgG	<b>Observed MW:</b> 21 kDa	
<b>Immunogen Catalog Number:</b> AG23365		

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human

**Cited Species:**  
human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : HEK-293 cells, MDA-MB-453s cells, K-562 cells

IHC : human liver tissue, human testis tissue

## Background Information

NDUFAF4 is a protein that in humans is encoded by the C6ORF66 gene. NDUFAF4 is an assembly factor of complex I. Mutation of this gene has been associated with congenital disorders of the mitochondrial respiratory chain (PMID: 18179882). NDUFAF4 was previously shown to promote breast cancer cell invasiveness. NDUFAF4 is a 20.2 kDa mitochondrial protein. Catalog#26003-1-AP specifically recognises the 20 kDa protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Cong Wang	31721420	EMBO Rep	WB
Wenda Xi	33691786	Stem Cell Res Ther	WB
Wei Pan	33635491	Virus Genes	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

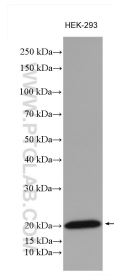
For technical support and original validation data for this product please contact:

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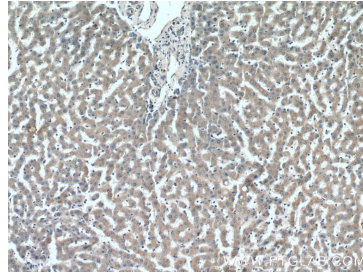
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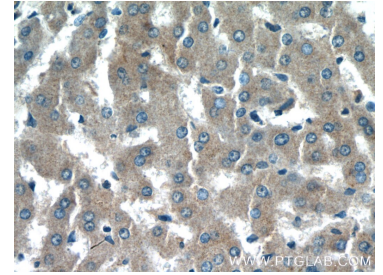
## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 26003-1-AP (NDUF4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26003-1-AP (NDUF4 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26003-1-AP (NDUF4 antibody) at dilution of 1:200 (under 40x lens).