

A7097

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## NFU1 Rabbit pAb

Catalog No.: A7097

3 Publications

### Basic Information

#### Observed MW

25-28kDa

#### Calculated MW

28kDa

#### Category

Polyclonal Antibody

#### Applications

WB,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### Background

This gene encodes a protein that is localized to mitochondria and plays a critical role in iron-sulfur cluster biogenesis. The encoded protein assembles and transfers 4Fe-4S clusters to target apoproteins including succinate dehydrogenase and lipoic acid synthase. Mutations in this gene are a cause of multiple mitochondrial dysfunctions syndrome-1, and pseudogenes of this gene are located on the short arms of chromosomes 1 and 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

### Recommended Dilutions

**WB** 1:500 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Immunogen Information

#### Gene ID

27247

#### Swiss Prot

Q9UMS0

#### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

#### Synonyms

Nfu; NifU; HIRIP; MMDFS; MMDS1; NIFUC; CGI-33; HIRIP5; NFU1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

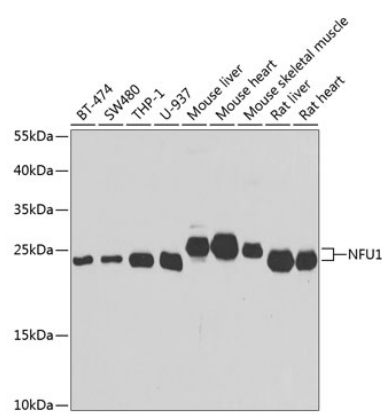
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of various lysates using NFU1 Rabbit pAb (A7097) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.