



# NDUFV2 Polyclonal Antibody

|                           |   |
|---------------------------|---|
| <b>Catalog No</b>         | BYab-02712  |
| <b>Isotype</b>            | IgG   |
| <b>Reactivity</b>         | Human;Mouse;Rat   |
| <b>Applications</b>       | WB;IHC;IF;ELISA   |
| <b>Gene Name</b>          | NDUFV2  |
| <b>Protein Name</b>       | NADH dehydrogenase [ubiquinone] flavoprotein 2 mitochondrial  |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human NDUFV2. AA range:20-69  |
| <b>Specificity</b>        | NDUFV2 Polyclonal Antibody detects endogenous levels of NDUFV2 protein.   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source</b>             | Polyclonal, Rabbit,IgG  |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>           | WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200  |
| <b>Concentration</b>      | 1 mg/ml   |
| <b>Purity</b>             | ≥90%  |
| <b>Storage Stability</b>  | -20°C/1 year  |
| <b>Synonyms</b>           | NDUFV2; NADH dehydrogenase [ubiquinone] flavoprotein 2; mitochondrial; NADH-ubiquinone oxidoreductase 24 kDa subunit  |
| <b>Observed Band</b>      | 27kD  |
| <b>Cell Pathway</b>       | Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .  |
| <b>Tissue Specificity</b> | Bone,Lung,  |
| <b>Function</b>           | catalytic activity:NADH + acceptor = NAD(+) + reduced acceptor.,catalytic activity:NADH + ubiquinone = NAD(+) + ubiquinol.,cofactor: Binds 1 2Fe-2S cluster .,function:Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.,similarity:Belongs to the complex I 24 kDa subunit family.,subunit:Complex I is composed of 45 different subunits. This is a component of the flavoprotein-sulfur (FP) fragment of the enzyme., |

Nanjing BYabscience technology Co.,Ltd



---

**Background**

The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes the 24 kDa subunit of complex I, and is involved in electron transfer. Mutations in this gene are implicated in Parkinson's disease, bipolar disorder, schizophrenia, and have been found in one case of early onset hypertrophic cardiomyopathy and encephalopathy. A non-transcribed pseudogene of this locus is found on chromosome 19. [provided by RefSeq, Oct 2009],

---

**matters needing attention**

Avoid repeated freezing and thawing!

---

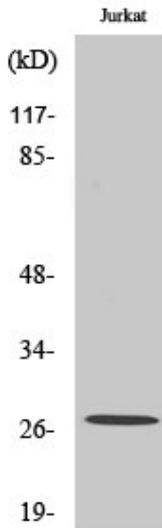
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

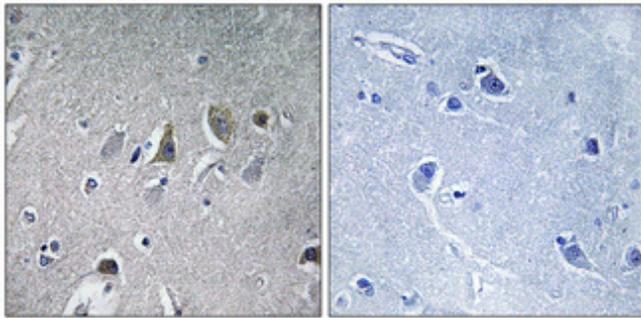
---



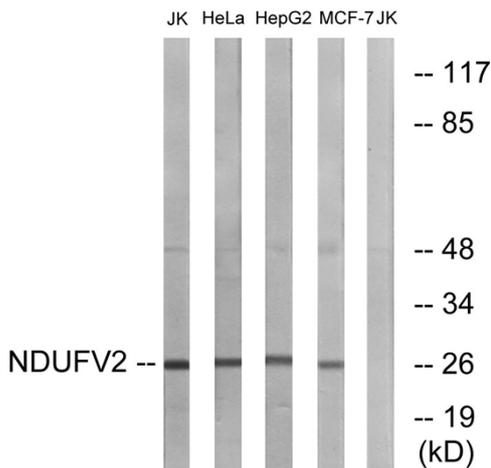
## Products Images



Western Blot analysis of various cells using NDUFV2 Polyclonal Antibody

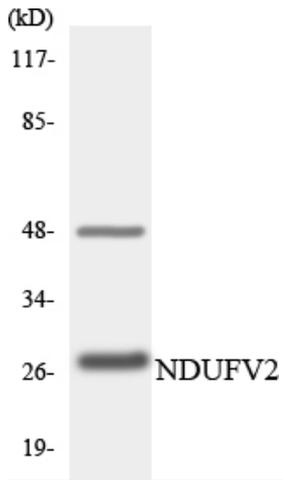


Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from Jurkat, HeLa, HepG2, and MCF-7 cells, using NDUFV2 Antibody. The lane on the right is blocked with the synthesized peptide.

**Nanjing BYabscience technology Co.,Ltd**



Western blot analysis of the lysates from K562 cells using NDUFV2 antibody.