

# NDUFV2 rabbit pAb

Cat No.:ES2911

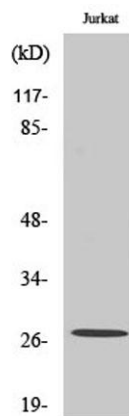
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## Overview

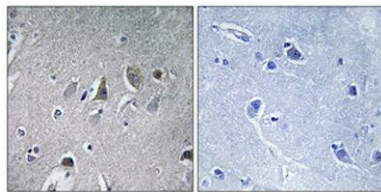
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|--------------------------|--|
| Product Name             | NDUFV2 rabbit pAb  |
| Host species             | Rabbit   |
| Applications             | WB;IHC;IF;ELISA  |
| Species Cross-Reactivity | Human;Mouse;Rat  |
| Recommended dilutions    | Western Blot: 1/500 - 1/2000.<br>Immunohistochemistry: 1/100 - 1/300. ELISA:<br>1/40000. Not yet tested in other applications. |
| Immunogen                | The antiserum was produced against synthesized peptide derived from human NDUFV2. AA range:20-69                               |
| Specificity              | NDUFV2 Polyclonal Antibody detects endogenous levels of NDUFV2 protein.  |
| Formulation              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Storage                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| Protein Name             | NADH dehydrogenase [ubiquinone] flavoprotein 2 mitochondrial   |
| Gene Name                | NDUFV2   |
| Cellular localization    | Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .   |
| Purification             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.          |
| Clonality                | Polyclonal   |
| Concentration            | 1 mg/ml  |
| Observed band            | 27kD   |
| Human Gene ID            | 4729   |
| Human Swiss-Prot Number  | P19404   |
| Alternative Names        | NDUFV2; NADH dehydrogenase [ubiquinone] flavoprotein 2; mitochondrial; NADH-ubiquinone oxidoreductase 24 kDa subunit           |
| 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],

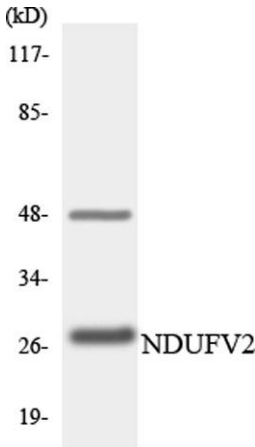
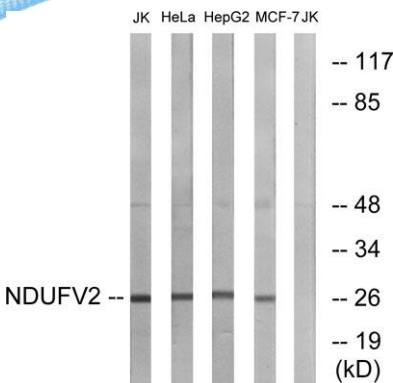


Western Blot analysis of various cells using NDUFV2 Polyclonal Antibody



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 control (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.

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

