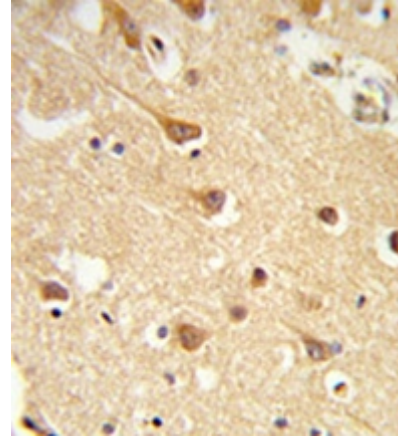


## Polyclonal Antibody to ND2 (N-term) - Aff - Purified

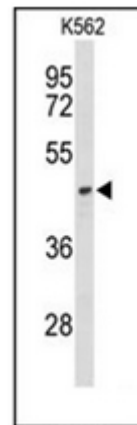
<b>Alternate names:</b>	MT, MT-, NADH dehydrogenase subunit 2, NADH-ubiquinone oxidoreductase chain 2, NADH2
<b>Catalog No.:</b>	AP52830PU-N
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	ND2 is core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. This protein 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.
<b>Uniprot ID:</b>	<a href="#">P03891</a>
<b>NCBI:</b>	<a href="#">YP_003024027</a>
<b>GeneID:</b>	<a href="#">4536</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	KLH conjugated synthetic peptide between 38~67 amino acids from the N-terminal region of human ND2.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein A column, followed by peptide affinity purification <b>Buffer System:</b> PBS containing 0.09% (W/V) Sodium Azide as preservative
<b>Applications:</b>	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Flow Cytometry:</b> 1/10-1/50. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Human ND2 (N-term).
<b>Add. Information:</b>	<b>Molecular Weight:</b> 38961 Da
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Saitoh,K., et.al., J. Mol. Evol. 63 (6), 826-841 (2006)

**Pictures:**

Formalin-fixed and paraffin-embedded human brain tissue reacted with ND2 Antibody (N-term) Cat.-No AP52830PU-N, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western blot analysis of ND2 Antibody (N-term) Cat.-No AP52830PU-N in K562 cell line lysates (35ug/lane). ND2 (arrow) was detected using the purified Pab.



Flow cytometric analysis of k562 cells using ND2 Antibody (N-term) Cat.-No AP52830PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

