

Datasheet for ABIN6244218  
**anti-MT-ND2 antibody (N-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	400 µL
Target:	MT-ND2
Binding Specificity:	AA 31-59, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MT-ND2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This ND2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-59 amino acids from the N-terminal region of human ND2.
Clone:	RB22496
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	MT-ND2
Alternative Name:	ND2 ( <a href="#">MT-ND2 Products</a> )

## Target Details

**Background:** 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

**Molecular Weight:** 38961

**UniProt:** [P03891](#)

## Application Details

**Application Notes:** WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

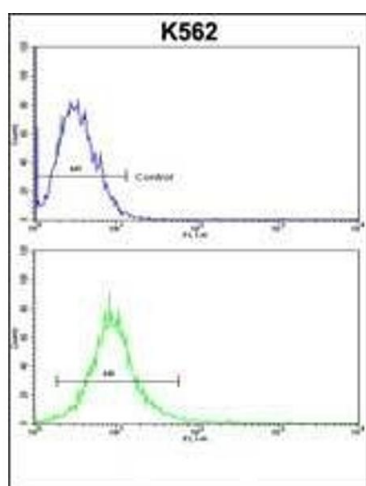
**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C, -20 °C

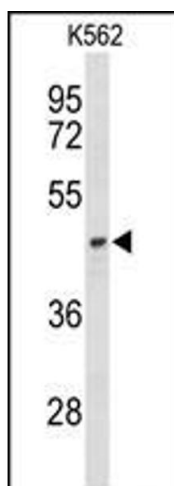
**Expiry Date:** 6 months

## Images



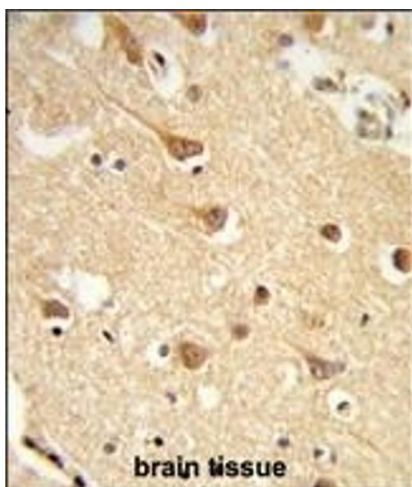
### Flow Cytometry

**Image 1.** ND2 Antibody (N-term) (ABIN6244218 and ABIN6579056) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



### Western Blotting

**Image 2.** Western blot analysis of ND2 Antibody (N-term) (ABIN6244218 and ABIN6579056) in K562 cell line lysates (35 µg/lane). ND2 (arrow) was detected using the purified Pab.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin-embedded human brain tissue reacted with ND2 Antibody (N-term), 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.