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NDUFS3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20739c

Product Information

Application	WB, E
Primary Accession	O75489
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50245
Calculated MW	30242

Additional Information

Gene ID	4722
Other Names	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial, Complex I-30kD, CI-30kD, NADH-ubiquinone oxidoreductase 30 kDa subunit, NDUFS3
Target/Specificity	This NDUFS3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 251-284 amino acids from the C-terminal region of human NDUFS3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NDUFS3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDUFS3
Function	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed:14729820, PubMed:30140060). Essential for the catalytic activity and

assembly of complex I (PubMed:14729820, PubMed:24028823, PubMed:30140060).

Cellular Location Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

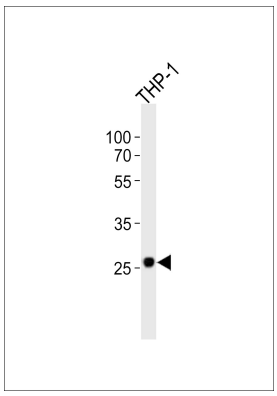
Background

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 (By similarity).

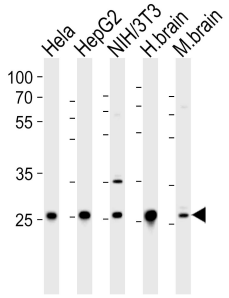
References

Loeffen J.,et al.Biochem. Biophys. Res. Commun. 247:751-758(1998).
Procaccio V.,et al.Mamm. Genome 11:808-810(2000).
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysate from THP-1 cell line, using NDUFS3 Antibody (C-term)(Cat. #AP20739c). AP20739c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Western blot analysis of lysates from Hela, HepG2, mouse NIH/3T3 cell line, human brain and mouse brain tissue lysate(from left to right), using NDUFS3 Antibody (C-term)(Cat. #AP20739c). AP20739c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.