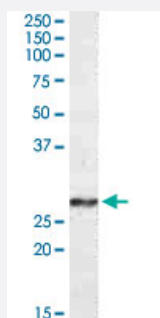


NDUFS3 polyclonal antibody

Catalog # PAB14140 Size 100 ug

Applications



Western Blot (Tissue lysate)

NDUFS3 polyclonal antibody (Cat # PAB14140) (0.3 ug/mL) staining of human frontal cortex lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NDUFS3.
Immunogen	A synthetic peptide corresponding to human NDUFS3.
Sequence	C-DTRPTVRPRNDVAHK
Host	Goat
Theoretical MW (kDa)	30.2
Reactivity	Human
Specificity	Approx 28 KDa band observed in human brain (frontal cortex) lysates (calculated MW of 30.2 KDa according to NP_004542.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:4000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — NDUFS3

Entrez GeneID	4722
Protein Accession#	NP_004542.1
Gene Name	NDUFS3
Gene Alias	-
Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)
Omim ID	256000 603846
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of the iron-sulfur protein (IP) components of mitochondrial NADH:ubiquinone oxidoreductase (complex I). Mutations in this gene are associated with Leigh syndrome resulting from mitochondrial complex I deficiency
Other Designations	-

Publication Reference

- [Granzyme A cleaves a mitochondrial complex I protein to initiate caspase-independent cell death.](#)

Martinvalet D, Dykxhoorn DM, Ferrini R, Lieberman J.

Cell 2008 May; 133(4):681.

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)