ARG65316
anti-NDUFS7 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes NDUFS7
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFS7
Species	Human
Immunogen	C-SRGEYVVAKLD
Conjugation	Un-conjugated
Alternate Names	EC 1.6.5.3; EC 1.6.99.3; NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial; CI-20; CI-20KD; NADH-ubiquinone oxidoreductase 20 kDa subunit; PSST subunit; CI-20kD; Complex I-20kD; PSST; MY017

Application Instructions

Application table

Application	Dilution
IHC-P	Assay - dependent
WB	1 - 3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

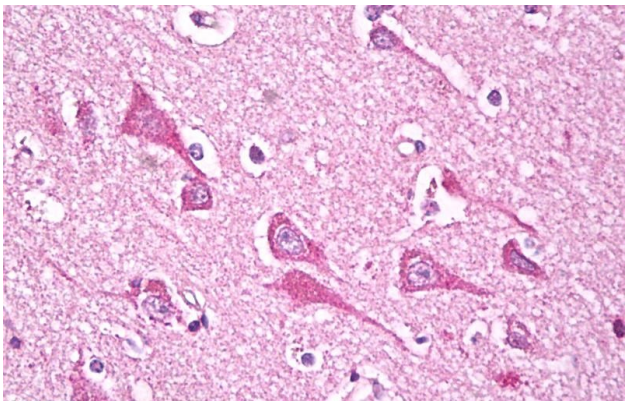
Bioinformation

Database links	GeneID: 374291 Human Swiss-port # O75251 Human
Background	This gene encodes a protein that is a subunit of one of the complexes that forms the mitochondrial respiratory chain. This protein is one of over 40 subunits found in complex I, the nicotinamide adenine dinucleotide (NADH):ubiquinone oxidoreductase. This complex functions in the transfer of electrons from NADH to the respiratory chain, and ubiquinone is believed to be the immediate electron acceptor for the enzyme. Mutations in this gene cause Leigh syndrome due to mitochondrial complex I deficiency, a severe neurological disorder that results in bilaterally symmetrical necrotic lesions in subcortical brain regions. [provided by RefSeq, Jul 2008]
Highlight	Related products: Anti-Goat IgG secondary antibodies; Related poster download: The Structure & Functions of Mitochondria.pdf
Research Area	Controls and Markers antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	24 kDa
PTM	Hydroxylated ar Arg-111 by NDUFAF5 early in the pathway of assembly of complex I, before the formation of the juncture between peripheral and membrane arms.

Images

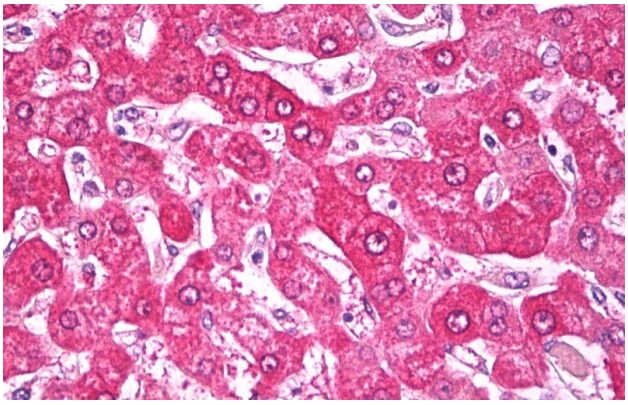
ARG65316 anti-NDUFS7 antibody WB image

Western Blot: Human Heart lysate (35µg protein in RIPA buffer) stained with ARG65316 anti-NDUFS7 antibody (0.1µg/ml)



ARG65316 anti-NDUFS7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65316 anti-NDUFS7 antibody at 5 µg/ml dilution followed by AP-staining.



ARG65316 anti-NDUFS7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65316 anti-NDUFS7 antibody at 5 µg/ml dilution followed by AP-staining.