

NDUFAF5 Polyclonal Antibody

Catalog NumberPA5-31396

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Human
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 141 and 345 of Human C20orf7	Western Blot (WB)	1:500-1:3,000
		Immunocytochemistry (ICC/IF)	1:100-1:1,000
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Western Blot (WB)	See 1 publications below
Concentration	0.84 mg/mL	<small>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</small>	
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: NT2D1, IMR32. Predicted reactivity: Mouse (93%), Rat (91%), Chicken (83%), Bovine (96%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes a mitochondrial protein that is associated with the matrix face of the mitochondrial inner membrane and is required for complex I assembly. A mutation in this gene results in mitochondrial complex I deficiency. Multiple transcript variants encoding different isoforms have been found for this gene.

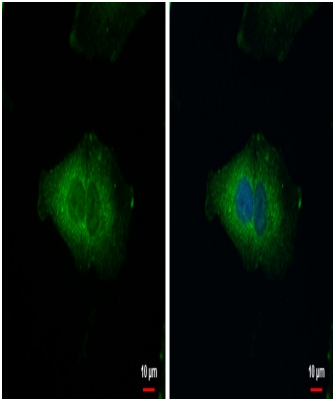
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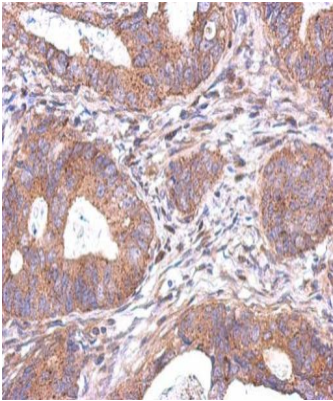
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Product Images For NDUFAF5 Polyclonal Antibody



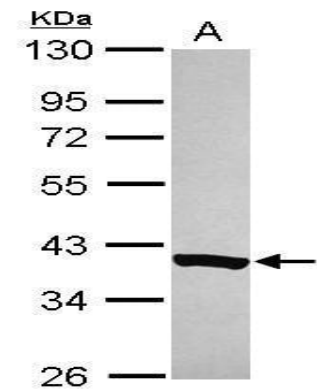
NDUFAF5 Antibody (PA5-31396) in ICC/IF

NDUFAF5 Polyclonal Antibody detects C20orf7 protein at cytoplasm by immunofluorescent analysis. Sample: SK-N-SH cells were fixed in 2% paraformaldehyde/culture medium at 37°C for 30 min. Green: C20orf7 protein stained by NDUFAF5 Polyclonal Antibody (Product # PA5-31396) diluted at 1:500. Blue: Hoechst 33342 staining.



NDUFAF5 Antibody (PA5-31396) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human gastric cancer, using C20orf7 (Product # PA5-31396) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



NDUFAF5 Antibody (PA5-31396) in WB

Western Blot using NDUFAF5 Polyclonal Antibody (Product # PA5-31396). Sample (30 μg of whole cell lysate). Lane A: IMR32. 10% SDS PAGE. NDUFAF5 Polyclonal Antibody (Product # PA5-31396) diluted at 1:2,000.

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PubMed References For NDUFAF5 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA5-31396 was used in Western blotting to demonstrate Fbxl17-SCF functional complex formation, and targeting of the tumor suppressor Sufu for proteolysis in the nuclear compartment upon hedgehog pathway activation.
Human / Not Cited	<p>The EMBO journal (2016; 35: 1400)</p> <p>"SCF (Fbxl17) ubiquitylation of Sufu regulates Hedgehog signaling and medulloblastoma development."</p> <p>Author(s):Raducu M,Fung E,Serres S,Infante P,Barberis A,Fischer R,Bristow C,Thézénas ML,Finta C,Christianson JC, Buffa FM,Kessler BM,Sibson NR,Di Marcotullio L,Toftgård R,D'Angiolella V</p> <p>PubMed Article URL:http://dx.doi.org/10.15252/embj.201593374</p>

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