

MT-ND5 Polyclonal Antibody

Catalog NumberPA5-39277

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Human
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	Dilution * 1:500-1:1,000
Immunogen	A synthetic peptide derived from the internal region of human MT-ND5	Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	* 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.	
Concentration	1 mg/mL		
Storage Conditions	-20°C		

Background/Target Information

A small number of complex I subunits are the products of mitochondrial genes (subunits 1-7), while the remainder are nuclear encoded and imported from the cytoplasm. NADH dehydrogenase subunit 5 (ND5) is most likely a component of the hydrophobic protein fragment of Complex I. Mutations in the gene encoding for ND5 are implicated in Mitochondrial neurogastrointestinal encephalomyopathy, an autosomal recessive multisystem disorder that results in dramatically elevated levels of circulating thymidine and deoxyuridine.

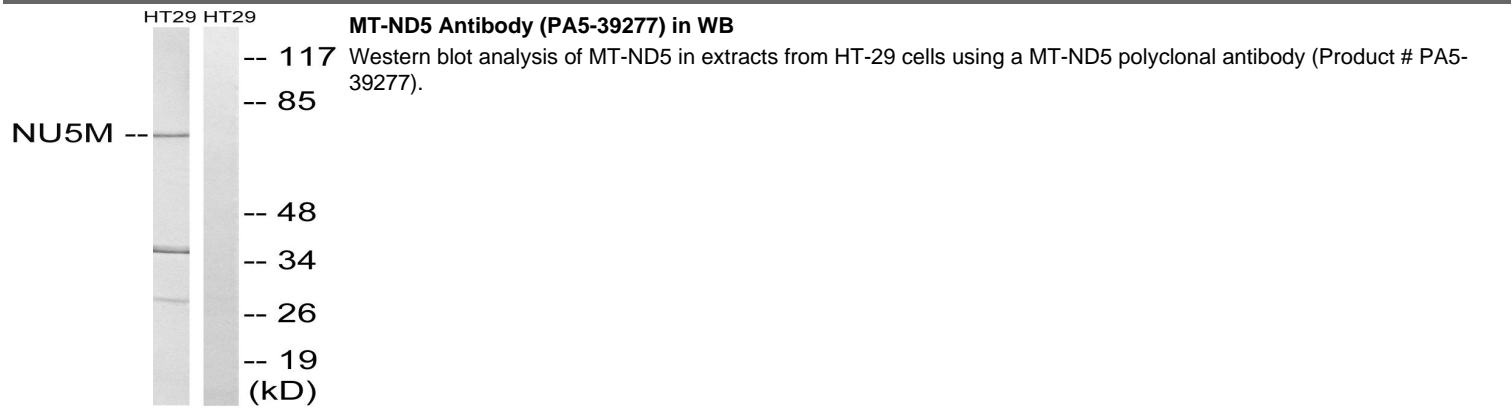
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## Product Images For MT-ND5 Polyclonal Antibody



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PubMed References For MT-ND5 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
Human / 1:500	<p>PA5-39277 was used in Western Blotting to establish potential diagnostic markers to distinguish malignant chRCC from its highly similar but benign counterpart, renal oncocytoma.</p> <p>Cancer research ( 2020; 80: 3830)</p> <p><b>"Decreased Mitochondrial DNA Content Drives OXPHOS Dysregulation in Chromophobe Renal Cell Carcinoma."</b></p> <p>Author(s):Xiao Y,Clima R,Busch J,Rabien A,Kilic E,Villegas SL,Timmermann B,Attimonelli M,Jung K,Meierhofer D</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1158/0008-5472.CAN-20-0754">http://dx.doi.org/10.1158/0008-5472.CAN-20-0754</a></p>

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