

CABC1 Polyclonal Antibody

Catalog Number PA5-29125

Product data sheet

Details	
Size	100 µL
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Recombinant fragment corresponding to a region within amino acids 258 and 529 of Human CABC1
Conjugate	Unconjugated
Form	Liquid
Concentration	0.53 mg/mL
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.

Species Reactivity	
Species reactivity	Human, Mouse
Tested Applications	
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Western Blot (WB)	1:500-1:3,000
Immunocytochemistry (ICC/IF)	1:100-1:1,000

* 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.

Product specific information

Recommended positive controls: NT2D1, IMR32, mouse heart. Predicted reactivity: Mouse (94%), Rat (93%), Rhesus Monkey (99%), Bovine (96%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

ADCK3 serine/threonine kinase is a mitochondrial protein similar to yeast ABC1 that is a member of the ADCK family. CABC1 encodes a mitochondrial protein similar to yeast ABC1, which functions in an electron-transferring membrane protein complex in the respiratory chain. It is not related to the family of ABC transporter proteins. Expression of this gene is induced by the tumor suppressor p53 and in response to DNA damage, and inhibiting its expression partially suppresses p53-induced apoptosis. Alternatively spliced transcript variants have been found.

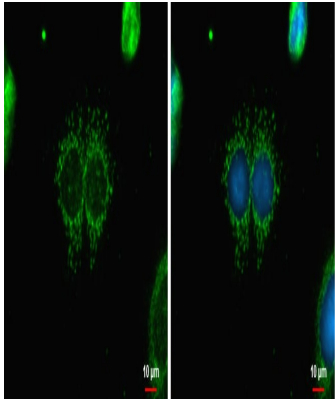
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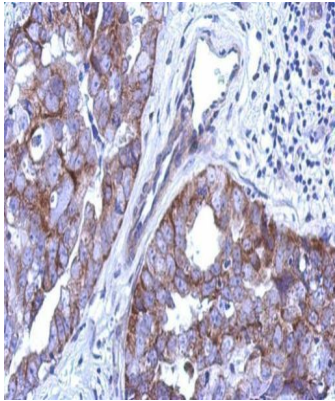
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Product Images For CABC1 Polyclonal Antibody



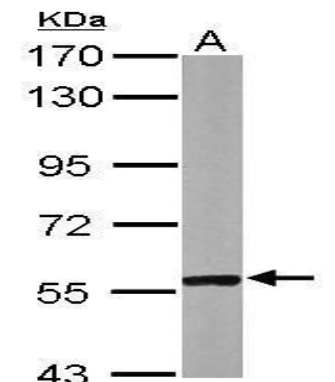
CABC1 Antibody (PA5-29125) in ICC/IF

CABC1 Polyclonal Antibody detects CABC1 protein at mitochondria by immunofluorescent analysis. Sample: MCF-7 cells were fixed in ice-cold MeOH for 5 min. Green: CABC1 protein stained by CABC1 Polyclonal Antibody (Product # PA5-29125) diluted at 1:500. Blue: Hoechst 33342 staining.



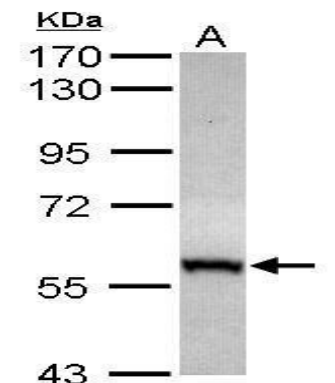
CABC1 Antibody (PA5-29125) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human breast cancer, using CABC1 (Product # PA5-29125) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



CABC1 Antibody (PA5-29125) in WB

Western Blot using CABC1 Polyclonal Antibody (Product # PA5-29125). Sample (50 μg of whole cell lysate). Lane A: mouse heart. 7.5% SDS PAGE. CABC1 Polyclonal Antibody (Product # PA5-29125) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



CABC1 Antibody (PA5-29125) in WB

Western Blot using CABC1 Polyclonal Antibody (Product # PA5-29125). Sample (30 μg of whole cell lysate). Lane A: IMR32. 7.5% SDS PAGE. CABC1 Polyclonal Antibody (Product # PA5-29125) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

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