

C4orf52 Rabbit pAb

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Catalog # AP55863

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8N5G0
Reactivity	Rat, Human, Mouse
Predicted	Dog, Rabbit, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	7702
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C4orf52
Epitope Specificity	101-168/168
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	389203
Other Names	Small integral membrane protein 20, Mitochondrial translation regulation assembly intermediate of cytochrome c oxidase protein of 7 kDa, MITRAC7, Phoenixin-14, SMIM20, C4orf52, MITRAC7 {ECO:0000303 PubMed:26321642}
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SMIM20
Synonyms	C4orf52, MITRAC7 {ECO:0000303 PubMed:263}
Function	[Small integral membrane protein 20]: Component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly

(PubMed:[26321642](#)). Promotes the progression of complex assembly after the association of MT-CO1/COX1 with COX4I1 and COX6C (PubMed:[26321642](#)). Chaperone-like assembly factor required to stabilize newly synthesized MT-CO1/COX1 and to prevent its premature turnover (PubMed:[26321642](#)).

Cellular Location

[Small integral membrane protein 20]: Mitochondrion inner membrane;
Single-pass membrane protein [Phoenixin-20]: Secreted
{ECO:0000250|UniProtKB:COHLM6}

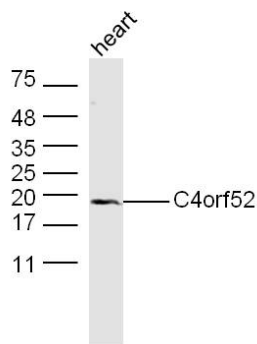
Tissue Location

Expressed in the ovary, specifically in granulosa cells of follicles that have passed the primary stage and in oocytes (at protein level).

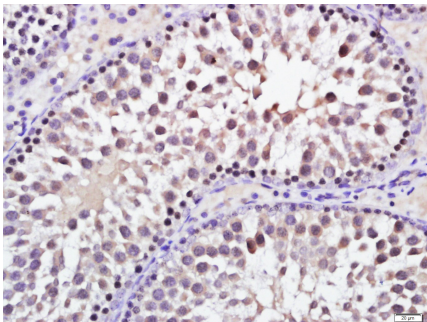
Background

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Images



Sample: heart (Mouse) Lysate at 40 ug
Primary: Anti-C4orf52(AP55863) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 18 kD
Observed band size: 18 kD



Paraformaldehyde-fixed, paraffin embedded (rat testis);
Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (C4orf52) Polyclonal Antibody, Unconjugated (AP55863) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.