

C4orf52 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55863**Specification**

C4orf52 Polyclonal Antibody - Product Information

Application	IHC-P, WB
Primary Accession	Q8N5G0
Reactivity	Rat, Dog, Cow
Host	Rabbit
Clonality	Polyclonal
Calculated MW	7702

C4orf52 Polyclonal Antibody - 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}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

C4orf52 Polyclonal Antibody - 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:C0HLM6}

Tissue Location

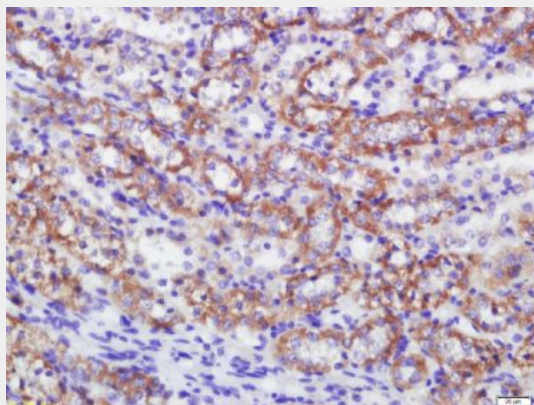
Expressed in the ovary, specifically in granulosa cells of follicles that have passed the primary stage and in oocytes (at protein level).

C4orf52 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

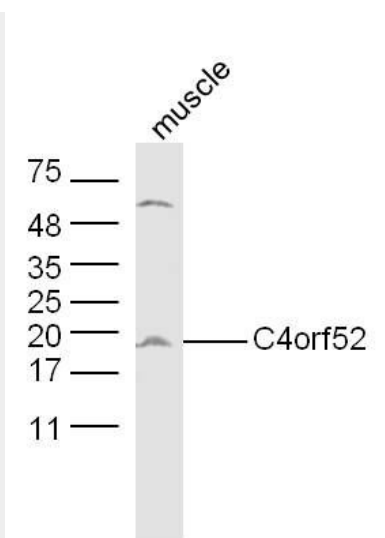
C4orf52 Polyclonal Antibody - Images



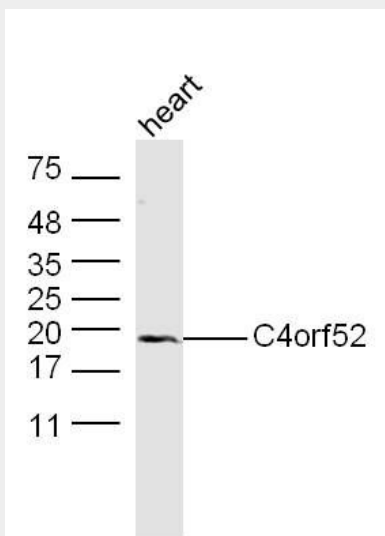
Tissue/cell: Rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

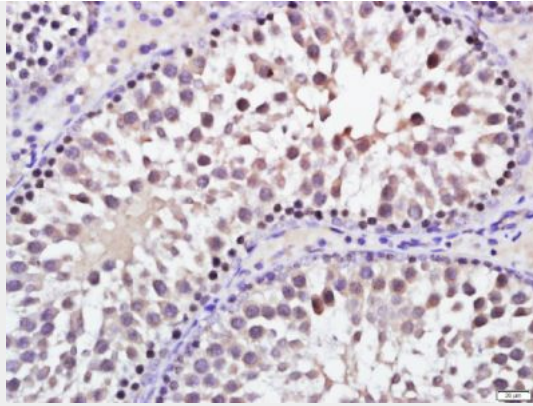
Incubation: Anti-C4orf52 Polyclonal Antibody, Unconjugated(bs-15196R) 1:5000, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



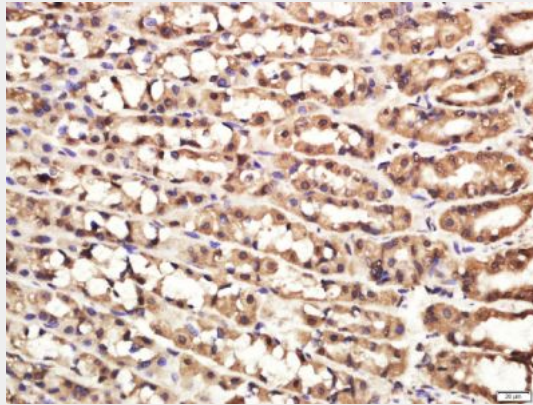
Sample: muscle (Mouse) Lysate at 40 ug
Primary: Anti-C4orf52(bs-15196R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 18 kD
Observed band size: 18 kD



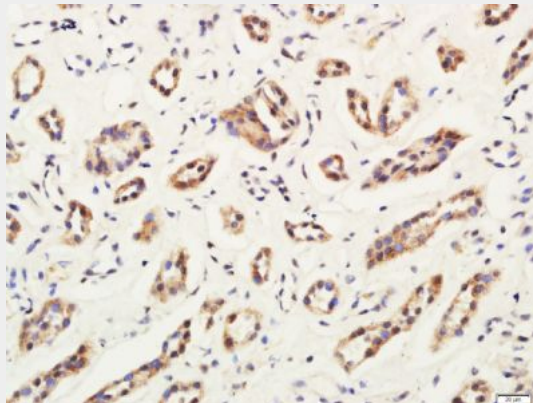
Sample: heart (Mouse) Lysate at 40 ug
Primary: Anti-C4orf52(bs-15196R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 18 kD
Observed band size: 18 kD



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 (bs-15196R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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 (bs-15196R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human kidney); 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 (bs-15196R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.