

Anti-NLRP4G Antibody Picoband®

Catalog Number: PA1687

About Nlrp4g

Stra8, stimulated by retinoic acid 8, is expressed in embryonic ovaries just before meiotic initiation, whereas in testis it is expressed after birth. The STRA8 gene contains 9 exons. And this gene is mapped to chromosome 7q31. Retinoic acid (RA) signaling was required for Stra8 expression, and therefore initiation of meiosis, in embryonic mouse ovaries. RA was sufficient to induce Stra8 expression in embryonic testis. Cyp26-mediated RA metabolism was responsible for delaying Stra8 expression in embryonic testis. Since RA signaling regulated Stra8 expression in both embryonic ovaries and adult testis, it was said this portion of the meiotic initiation pathway may be identical in both sexes.

Overview

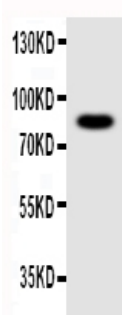
Product Name	Anti-NLRP4G Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-NLRP4G Antibody catalog # PA1687. Tested in IHC, WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q66JP4

Technical Details

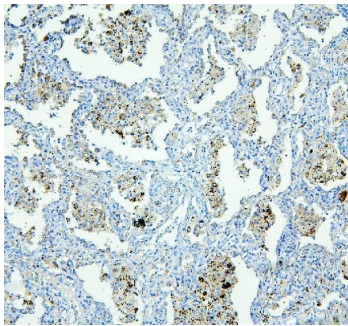
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse NLRP4G.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Mouse Western blot, 0.1-0.5ug/ml, Mouse

Anti-NLRP4G Antibody Picoband® (PA1687) Images



Anti-NLRP4G antibody, PA1687, Western blottingWB: Mouse Ovary Tissue Lysate



IHC analysis of NLRP4G using anti-NLRP4G antibody (PA1687). NLRP4G was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 ug/ml rabbit anti-NLRP4G Antibody (PA1687) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

2 Publications Citing This Product

1. PubMed ID: 10.1017/S0967199414000525, Expression and localization of Nlrp4g in mouse preimplantation embryo
2. PubMed ID: 23751860, Peng H, Zhang W, Xiao T, Zhang Y. Reprod Fertil Dev. 2014 Jun;26(5):758-68. Doi: 10.1071/Rd12409. Nlrp4G Is An Oocyte-Specific Gene But Is Not Required For Oocyte Maturation In The Mouse.

Visit bosterbio.com/anti-nlrp4g-antibody-pa1687-boster.html to see all 2 publications.

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Anti-NLRP4G Antibody

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