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RelB Rabbit mAb

Catalog No.: A29551

www.abclonal.com

Basic Information

Observed MW
70 kDa

Calculated MW
62 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IF-F, IF-P, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC4182

Background

Enables RNA polymerase II cis-regulatory region sequence-specific DNA binding activity and protein kinase binding activity. Involved in lymphocyte differentiation and negative regulation of interferon-beta production. Located in centrosome; chromatin; and nucleoplasm. Part of nucleus and transcription repressor complex. Implicated in breast cancer and immunodeficiency 53. Biomarker of breast cancer and transitional cell carcinoma.

Recommended Dilutions

WB	1:10000 - 1:60000
IP	0.5 μg - 4 μg antibody for 200 μg - 400μg extracts of whole cells
IF-F	1:5000 - 1:20000
IF-P	1:5000 - 1:20000
IHC-P	1:8000 - 1:32000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10,000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
5971

Swiss-Prot
Q01201

Immunogen
This information is considered to be commercially sensitive.

Synonyms
IREL; I-REL; IMD53; REL-B

Contact

400-999-6126
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Product Information

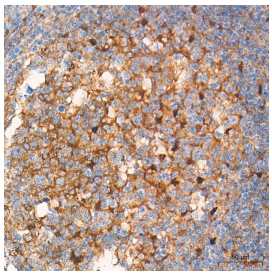
Source
Rabbit

Isotype
IgG

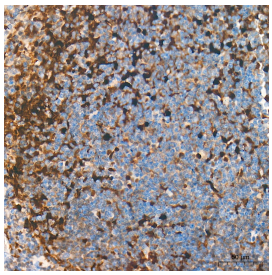
Purity
Affinity purification

Storage
Store at -20℃

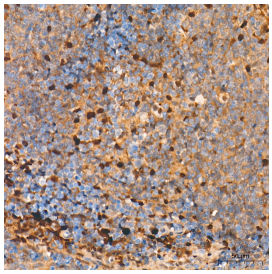
Validation Data



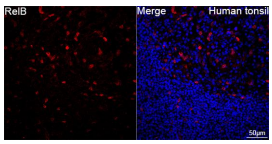
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using RelB Rabbit mAb (A29551) at a dilution of 1:15000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



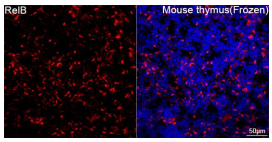
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using RelB Rabbit mAb (A29551) at a dilution of 1:15000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



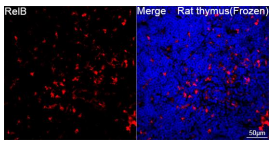
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using RelB Rabbit mAb (A29551) at a dilution of 1:15000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



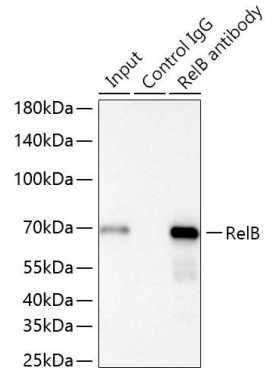
Confocal imaging of paraffin-embedded Human tonsil tissue using RelB Rabbit mAb (A29551, dilution 1:10000) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



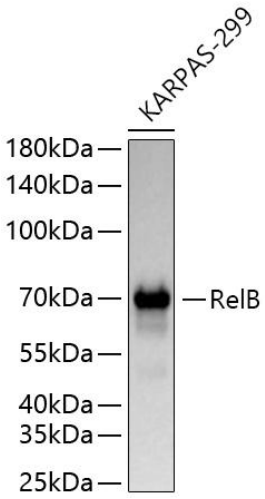
Confocal imaging of frozen sections of Mouse thymus tissue using RelB Rabbit mAb (A29551, dilution 1:10000) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of frozen sections of Rat thymus tissue using RelB Rabbit mAb (A29551, dilution 1:10000) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunoprecipitation of RelB from 300 µg extracts of Raji cells was performed using 1 µg of RelB Rabbit mAb (A29551). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using RelB Rabbit mAb (A29551) at a dilution of 1:5000.



Western blot analysis of lysates from KARPAS-299 cells using RelB Rabbit mAb (A29551) at 1:20000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.