BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Phospho-POLR2A (S2) Rabbit Monoclonal Antibody

Catalog Number: P01029-1

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Overview

Product Name	Anti-Phospho-POLR2A (S2) Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-POLR2A (S2) Rabbit Monoclonal Antibody catalog # P01029-1. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal AH-16
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *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. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P24928

Technical Details

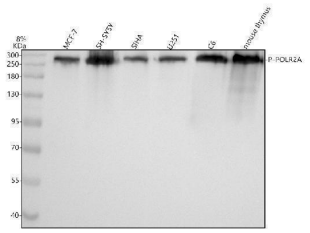
Immunogen	A synthesized peptide derived from human POLR2A
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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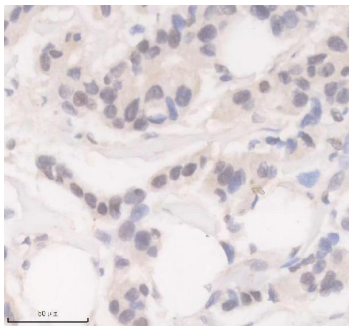
	IHC, 1:50-200 ICC/IF, 1:50-200 IP, 1:20 FC, 1:20

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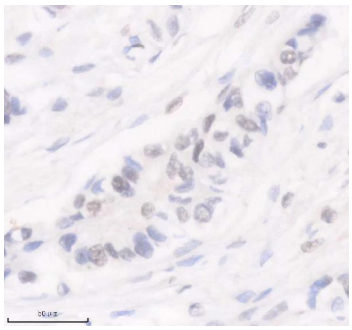
Anti-Phospho-POLR2A (S2) Rabbit Monoclonal Antibody (P01029-1) Images



Western blot analysis of P-POLR2A using anti-P-POLR2A antibody (P01029-1). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: human SIHA whole cell lysates, Lane 4: human U251 whole cell lysates, Lane 5: rat C6 whole cell lysates, Lane 6: mouse thymus tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-P-POLR2A antigen affinity purified monoclonal antibody (P01029-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for P-POLR2A at approximately 270 kDa. The expected band size for P-POLR2A is at 217 kDa.



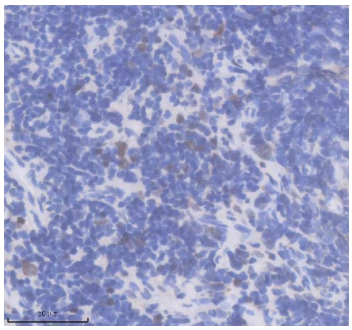
IHC analysis of P-POLR2A using anti-P-POLR2A antibody (P01029-1). P-POLR2A was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-P-POLR2A Antibody (P01029-1) 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.



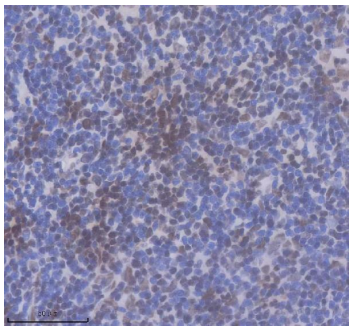
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IHC analysis of P-POLR2A using anti-P-POLR2A antibody (P01029-1). P-POLR2A was detected in a paraffin-embedded

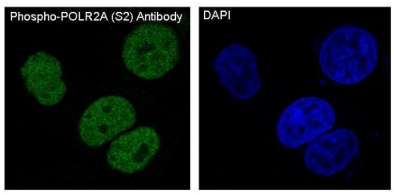
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section of mouse thymus tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-P-POLR2A Antibody (P01029-1) 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.



IHC analysis of P-POLR2A using anti-P-POLR2A antibody (P01029-1). P-POLR2A was detected in a paraffin-embedded section of rat thymus 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 1:50 rabbit anti-P-POLR2A Antibody (P01029-1) 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.



Immunofluorescent analysis of MCF7 cells, using Phospho-POLR2A (S2) Antibody .

1 Publications Citing This Product

1. PubMed ID: 28848320, Heparanase mediates vascular endothelial growth factor gene transcription in high-glucose human retinal microvascular endothelial cells.

Visit bosterbio.com/anti-phospho-polr2a-s2-rabbit-monoclonal-antibody-p01029-1-boster.html to see all 1 publications.

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