Recombinant RBBP7/RBBP4 Monoclonal Antibody

catalog number: **AN302067L**

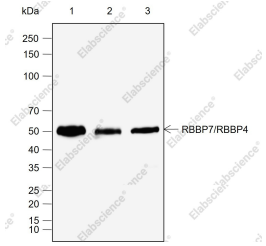
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Peptide. This information is proprietary to PTMab
Host	Rabbit
Isotype	Rabbit IgG
Clone	C121688
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:10000-1:20000
IHC	1:500-1:1000
IP	1:50-1:100
CHIP	6 μg/2×10^6 cells
FCM	1:100

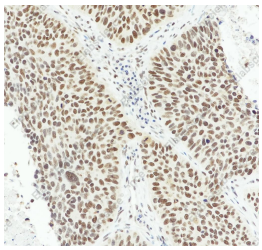
Data



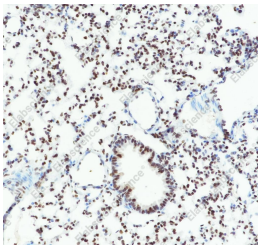
Western Blot with RBBP7/RBBP4 Monoclonal Antibody at dilution of 1:20000. Lane 1: HeLa, Lane 2: IMR-32, Lane 3: NIH-3T3

Observed-MW:50 kDa

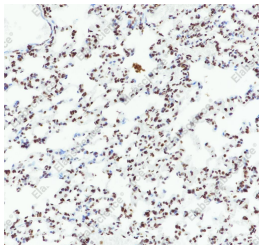
Calculated-MW:48 kDa



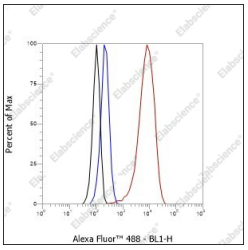
Immunohistochemistry of paraffin-embedded Human lung squamous carcinoma using RBBP7/RBBP4 Monoclonal Antibody at dilution of 1:1000.



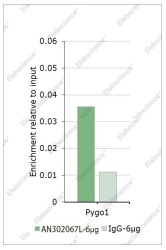
Immunohistochemistry of paraffin-embedded Mouse lung using RBBP7/RBBP4 Monoclonal Antibody at dilution of 1:1000.



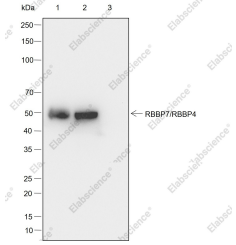
Immunohistochemistry of paraffin-embedded Rat lung using RBBP7/RBBP4 Monoclonal Antibody at dilution of 1:1000.



Flow cytometric analysis of human RBBP7/RBBP4 expression on HeLa cells. Cells were stained with purified anti-Human RBBP7/RBBP4, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



Chromatin immunoprecipitation analysis of NIH/3T3 immunoprecipitated DNA by real-time PCR using primers specific for the mouse Pygo1. The data are presented as enrichment of each sample relative to the total amount of input chromatin at each amplicon.



Immunoprecipitation analysis using anti-RBBP7/RBBP4 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using RBBP7/RBBP4 Monoclonal Antibody at a dilution of 1:100. Lane 1: 10% Input, Lane 2: RBBP7/RBBP4 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:50 kDa

Calculated-MW:48 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

Retinoblastoma-associated proteins 46 and 48 (RBAP46 and RBAP48, also known as RBBP7 and RBBP4), were first identified in humancells as proteins that bind to retinoblastoma (Rb) tumor suppressor proteins. Since then, these proteins have been shown to be componentsof a number of protein complexes involved in chromatin regulation, including the chromatin assembly factor 1 (CAF-1) complex and the Btype histone acetyltransferase complex, HAT1, both of which are involved in chromatin assembly during DNA replication. RBAP46 andRBAP48 are also present in the nucleosome remodeling factor complex, NURF, and the nucleosome remodeling and histone deacetylationcomplex NuRD, and the Sin3/HDAC histone deacetylation complex. Recently, RBAP46 and RBAP48 were identified as components of thepolyribonucleic acid repressor complex PRC2, which also contains EED and Ezh2. RBAP46 and RBAP48 bind to the histone folding regionof histone H4 and are thought to target these chromatin remodeling, histone acetylation and histone deacetylation complexes to their histonesubstrates.

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