

Anti-RBBP4 Antibody (9I427)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse, Rat
Conjugation:	Unconjugated
Clone:	9I427
Purification:	Affinity-chromatography

Applications

1. Western Blot

- Positive WB detected in: Hela whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate, HEK293 whole cell lysate, L02 whole cell lysate, Jurkat whole cell lysate, SH-SY5Y whole cell lysate, Mouse Brain whole cell lysate, Rat Brain cell lysate
- All lanes: RbAp48 antibody at 1:1000
- Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
- Predicted band size: 48, 48, 47, 44 kDa
- Observed band size: 53, 40 kDa

Verified Activity:

2. IHC image of TMAH-01034 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

3. IHC image of TMAH-01034 diluted at 1:100 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

4. Immunofluorescence staining of Hela Cells with TMAH-01034 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Application: ELISA, WB, IHC, IF

Recommended WB:1:500-1:5000; IHC:1:50-1:200; IF:1:20-1:200.

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Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthetic peptide: Human RbAp48

Antigen Species: Human

Gene ID: 5928

Uniprot ID: Q09028

Synonyms: RBAP48;mRbAp48;retinoblastoma binding protein 4

Biology Area: Epigenetics and Nuclear Signaling, Cancer

Research Background

Core histone-binding subunit that may target chromatin assembly factors, chromatin remodeling factors and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. Component of several complexes which regulate chromatin metabolism. These include the chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair; the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression; the nucleosome remodeling and histone deacetylase complex (the NuRD complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling; the PRC2 complex, which promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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