

Anti-PRKAR2A Antibody (8093)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8093
Purification:	Affinity-chromatography

Applications

1. IHC image of TMAH-01003 diluted at 1:50 and staining in paraffin-embedded human kidney 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 polymer IgG labeled by HRP and visualized using 0.47% DAB.
2. IHC image of TMAH-01003 diluted at 1:50 and staining in paraffin-embedded human rectal 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 polymer IgG labeled by HRP and visualized using 0.47% DAB.
- Verified Activity:
3. Immunofluorescence staining of Hela with TMAH-01003 at 1:5, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 512-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).
4. Overlay Peak curve showing MCF-7 cells stained with TMAH-01003 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.
- Application: ELISA, IHC, IF, FCM
- Recommended IHC:1:50-1:200; IF:1:50-1:200; FCM:1:50-1:200.

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 PRKAR2A
Antigen Species: Human
Gene ID: 5576
Uniprot ID: P13861
Synonyms: cAMP-dependent protein kinase type II-alpha regulatory subunit;PKR2;PRKAR2
Biology Area: Cancer, Metabolism, Signal transduction

Research Background

Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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