

Anti-TRAF2 Antibody (6Y765)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6Y765
Purification:	Affinity-chromatography

Applications

1. Western Blot

- Positive WB detected in: HepG2 whole cell lysate, Hela whole cell lysate, 293T whole cell lysate, Jurkat whole cell lysate, Raji whole cell lysate, K562 whole cell lysate
- All lanes: TRAF2 antibody at 1:1500
- Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
- Predicted band size: 56, 62, 55, 54 kDa
- Observed band size: 56 kDa

2. IHC image of TMAH-01212 diluted at 1:100 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 IgG polymer labeled by HRP and visualized using 0.05% DAB.

3. IHC image of TMAH-01212 diluted at 1:100 and staining in paraffin-embedded human cervical 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.

Verified Activity:

4. Overlay histogram showing Hela cells stained with TMAH-01212 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min 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.

5. Immunoprecipitating TRAF2 in Hela whole cell lysate

- Lane 1: Rabbit control IgG instead of TMAH-01212 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
- Lane 2: TMAH-01212(2µg)+ Hela whole cell lysate(500µg)
- Lane 3: Hela whole cell lysate (10µg)

A DRUG SCREENING EXPERT

Application: ELISA,FCM,IHC,IP,WB

Recommended WB:1:500-1:5000; IHC:1:50-1:200; FCM:1:20-1:200; IP:1:200-1:1000.

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 TRAF2

Antigen Species: Human

Gene ID: 7186

Uniprot ID: Q12933

Synonyms: TNF receptor-associated factor 2;TRAF 2;TRAP3;Tumor necrosis factor type 2 receptor-associated protein 3;E3 ubiquitin-protein ligase TRAF2;RING-type E3 ubiquitin transferase TRAF2;EC 2.3.2.27

Biology Area: Cancer, Cardiovascular, Cell biology, Signal transduction

Research Background

Regulates activation of NF-kappa-B and JNK and plays a central role in the regulation of cell survival and apoptosis. Required for normal antibody isotype switching from IgM to IgG. Has E3 ubiquitin-protein ligase activity and promotes 'Lys-63'-linked ubiquitination of target proteins, such as BIRC3, RIPK1 and TICAM1. Is an essential constituent of several E3 ubiquitin-protein ligase complexes, where it promotes the ubiquitination of target proteins by bringing them into contact with other E3 ubiquitin ligases. Regulates BIRC2 and BIRC3 protein levels by inhibiting their autoubiquitination and subsequent degradation; this does not depend on the TRAF2 RING-type zinc finger domain. Plays a role in mediating activation of NF-kappa-B by EIF2AK2/PKR. In complex with BIRC2 or BIRC3, promotes ubiquitination of IKBKE.

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