

Anti-UBE2C Antibody (8I521)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8I521
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. IHC image of TMAH-01233 diluted at 1:300 and staining in paraffin-embedded human colorectal 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-Mouse IgG labeled by HRP and visualized using 0.05% DAB.</p> <p>2. IHC image of TMAH-01233 diluted at 1:300 and staining in paraffin-embedded human stomach 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-Mouse IgG labeled by HRP and visualized using 0.05% DAB.</p> <p>3. Overlay Peak curve showing Hela cells stained with TMAH-01233 (red line) at 1:100. The cells were fixed in 4% formaldehyde (15min) and permeated by 0.2% TritonX-100 for 10min. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.</p>
Application:	ELISA, IHC, FCM
Recommended	IHC:1:20-1:200; FCM:1:20-1:200.

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:	Recombinant Protein: Human UBE2C Protein
Antigen Species:	Human
Gene ID:	11065
Uniprot ID:	O00762
Synonyms:	Ubiquitin protein ligase C;UB E2C;UBCH 10;Ubiquitin carrier protein E2 C;Ubiquitin conjugating enzyme E2 C;Ubiquitin carrier protein C;UbcH10;dJ447F3.2;Cyclin selective ubiquitin carrier protein;UBE 2C;Ubiquitin carrier protein E2C;Ubiquitin conjugating enzyme E2C;Mitotic specific ubiquitin conjugating enzyme
Biology Area:	Epigenetics and Nuclear Signaling, Cell biology

Research Background

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls progression through mitosis. Acts by initiating 'Lys-11'-linked polyubiquitin chains on APC/C substrates, leading to the degradation of APC/C substrates by the proteasome and promoting mitotic exit.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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