

Anti-USP22 Antibody (8R371)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8R371
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: A549 whole cell lysate, HepG2 whole cell lysate, PC3 whole cell lysate-All lanes: USP22 antibody at 1:2000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 60, 59 kDa-Observed band size: 55-72 kDa <p>2. Immunofluorescence staining of Hela cell with TMAH-01237 at 1:50, 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 507-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).</p> <p>3. Overlay Peak curve showing Hela cells stained with TMAH-01237 (red line) at 1:100. 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 (1ug/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 (1ug/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.</p>
Application:	ELISA, WB, IF, FCM
Recommended	WB:1:500-1:2000; 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 USP22
Antigen Species:	Human
Gene ID:	23326
Uniprot ID:	Q9UPT9
Synonyms:	Ubiquitin carboxyl-terminal hydrolase 22;Ubiquitin-specific-processing protease 22;Ubiquitin thioesterase 22;KIAA1063;Deubiquitinating enzyme 22;EC 3.4.19.12;USP3L;USP 22
Biology Area:	Epigenetics and Nuclear Signaling, Cell biology

Research Background

Histone deubiquitinating component of the transcription regulatory histone acetylation (HAT) complex SAGA. Catalyzes the deubiquitination of both histones H2A and H2B, thereby acting as a coactivator. Recruited to specific gene promoters by activators such as MYC, where it is required for transcription. Required for nuclear receptor-mediated transactivation and cell cycle progression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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