

Anti-DNAJA1 Antibody (2U963)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2U963
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: U251 whole cell lysate, Ntera-2 whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate, Hela whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysate-All lanes: DNAJA1 antibody at 1:2000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 45, 38 kDa-Observed band size: 45-55 kDa <p>2. Immunofluorescence staining of A549 cell with TMAH-00358 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 550-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).</p> <p>3. Overlay Peak curve showing A549 cells stained with TMAH-00358 (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,FCM,IF,WB
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 DNAJA1
Antigen Species:	Human
Gene ID:	3301
Uniprot ID:	P31689
Synonyms:	hDj-2;HDJ2;Dnaj homolog subfamily A member 1;Dnaj protein homolog 2;HSJ2;Heat shock protein J2;HSDJ;HSPF4;DNAJ2;Heat shock 40 kDa protein 4;Human Dnaj protein 2;HSJ-2
Biology Area:	Signal transduction

Research Background

Co-chaperone for HSPA8/Hsc70. Stimulates ATP hydrolysis, but not the folding of unfolded proteins mediated by HSPA1A (in vitro). Plays a role in protein transport into mitochondria via its role as co-chaperone. Functions as co-chaperone for HSPA1B and negatively regulates the translocation of BAX from the cytosol to mitochondria in response to cellular stress, thereby protecting cells against apoptosis. Promotes apoptosis in response to cellular stress mediated by exposure to anisomycin or UV.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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