

Anti-Phospho-GCN2 (Thr899) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Cow, Horse)
Molecular Weight:	Theoretical: 189 kDa.
Purification:	Protein A purified

Applications

Verified Activity:

1. Blank control: Mouse spleen.

Primary Antibody (green line): Rabbit Anti-Phospho-GCN2 (Thr899) antibody (TMAB-01415)

Dilution: 2 $\mu\text{g}/10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-FITC

Dilution: 1 $\mu\text{g}/\text{test}$.

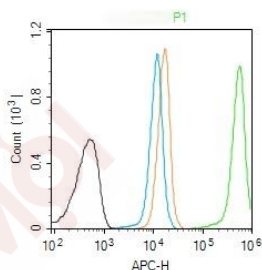
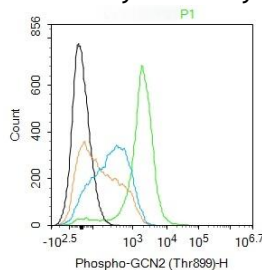
Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

2. Blank control (Black line): Molt4 (Black). Primary Antibody (green line): Rabbit Anti-Phospho-GCN2 (Thr899) antibody (TMAB-01415) Dilution: 1 $\mu\text{g}/10^6$ cells; Isotype Control Antibody

(orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647

Dilution: 1 $\mu\text{g}/\text{test}$. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.



Application: FCM

A DRUG SCREENING EXPERT

Recommended FCM: 1ug/Test

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: KLH conjugated Synthesised phosphopeptide: human GCN2 around the phosphorylation site of Thr899

Antigen Species: Human

Gene ID: 440275

Uniprot ID: Q9P2K8

Synonyms: EIF2AK4;Eukaryotic Translation Initiation Factor 2-alpha kinase 4;p-GCN2 (Thr899);p-GCN2 (T899);E2AK4;MGCN2;KIAA1338;GCN2 (p-Thr899);GCN2;Eukaryotic Translation Initiation Factor 2 alpha kinase 4;GCN2 (p-T899);GCN2 eIF2alpha kinase;GCN2-like protein

Biology Area: Regulation,Other Kinases

Research Background

GCN2 belongs to a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor 2 to downregulate protein synthesis in response to varied cellular stresses.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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