Datasheet for ABIN7127557

Recombinant anti-HSP27 antibody

Overview

Quantity: 100 μL
Target: HSP27 (HSPB1)
Reactivity: Human
Host: Rabbit
Antibody Type: Recombinant Antibody
Clonality: Monoclonal
Conjugate: This HSP27 antibody is un-conjugated
Application: Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Immunogen: A synthesized peptide derived from human HSPB1
Clone: 10C11
Isotype: IgG
Cross-Reactivity: Human
Purification: Affinity-chromatography

Target Details

Target: HSP27 (HSPB1)
Alternative Name: HSPB1 (HSPB1 Products)
Target Details


UniProt: P04792

Pathways: MAPK Signaling, Regulation of Actin Filament Polymerization, Signaling Events mediated by VEGFR1 and VEGFR2, Negative Regulation of intrinsic apoptotic Signaling, VEGF Signaling

Application Details


Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Flow Cytometry

**Image 1.** Overlay histogram showing Hela cells stained with ABIN7127557 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10 % normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 °C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4 °C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Western Blotting

**Image 2.** Western Blot Positive WB detected in: Hela whole cell lysate, PC3 whole cell lysate, 293T whole cell lysate, LO2 whole cell lysate, HT-29 whole cell lysate, K562 whole cell lysate All lanes: Hsp27 antibody at 0.62 μg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 23 KDa Observed band size: 27 KDa

Immunohistochemistry

**Image 3.** IHC image of ABIN7127557 diluted at 1:61.9 and staining in paraffin-embedded human pancreatic tissue performed on a Leica BondTM 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 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7127557.