

KD-Validated Anti-G3BP1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

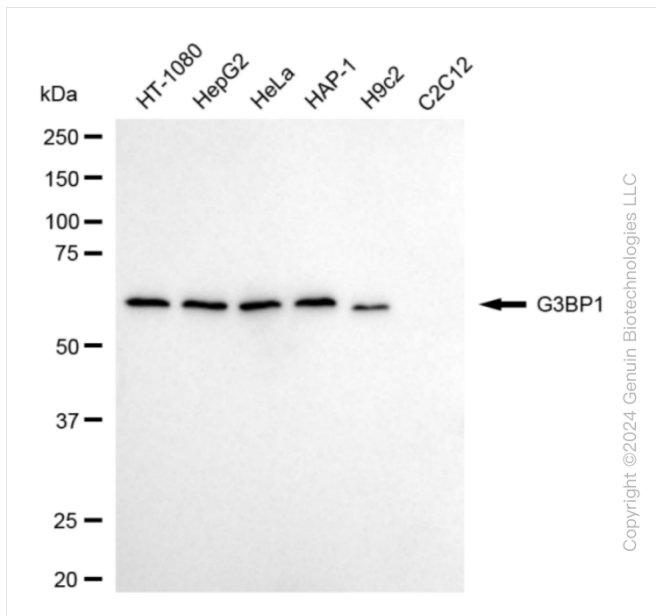
ABG1834

Product Overview

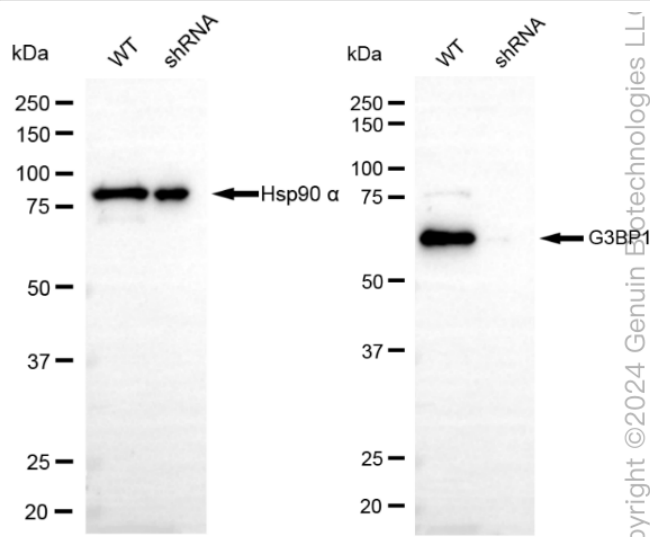
Name	KD-Validated Anti-G3BP1 Rabbit Monoclonal Antibody
Accession(Primary)	Q13283
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human G3BP
Species Reactivity	Human, Rat
Calculated MW	Predicted, 52 kDa,observed, 68 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q13283)

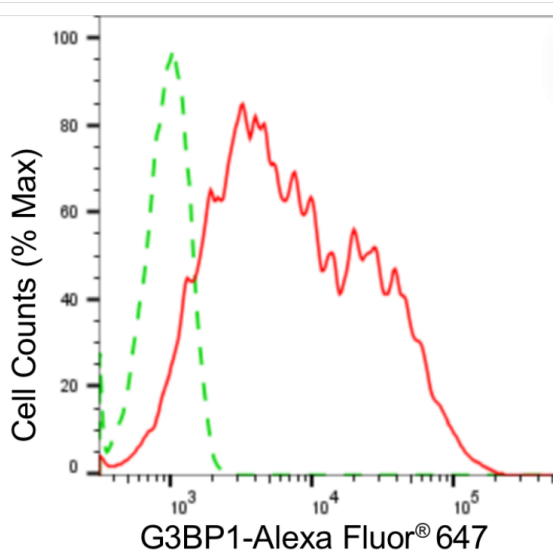
Gene Name	G3BP1
About Gene Symbol	G3BP1 (G3BP Stress Granule Assembly Factor 1) is a GTPase-activating protein involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cel



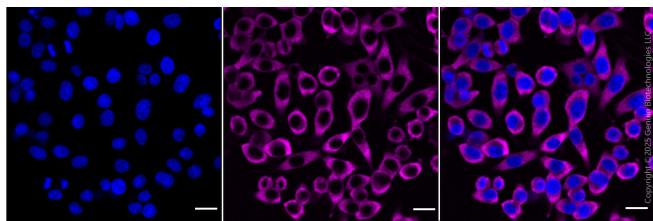
Western blotting analysis using anti-G3BP1 antibody (Cat#ABG1834). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-G3BP1 antibody (Cat#ABG1834, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-G3BP1 antibody (Cat#ABG1834). G3BP1 expression in wild type (WT) and G3BP1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-G3BP1 antibody (Cat#ABG1834, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of G3BP1 expression in HepG2 cells using anti-G3BP1 antibody (Cat#ABG1834, 1:2,000). Green, isotype control; red, G3BP1.



Immunocytochemical staining of HepG2 cells with anti-G3BP1 antibody (Cat#ABG1834, 1:1,000).

Nuclei were stained blue with DAPI; G3BP1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.