9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Phospho-eIF2 alpha (Ser51) Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1795

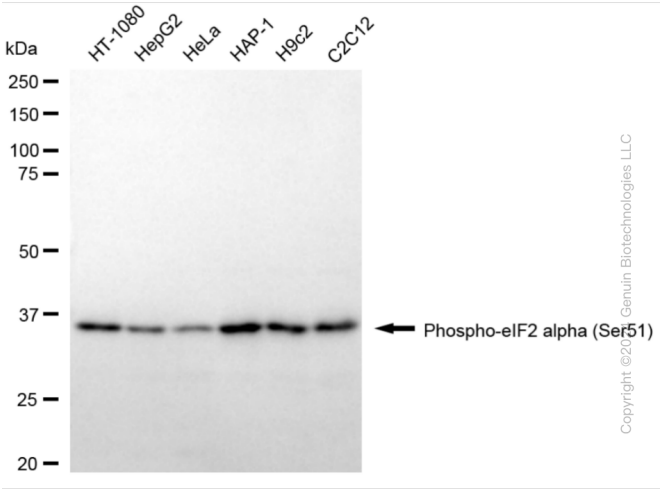
Product Overview

Name	KD-Validated Anti-Phospho-eIF2 alpha (Ser51) Rabbit Monoclonal Antibody
Accession(Primary)	P05198
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Phospho-eIF2 alpha (Ser51)
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 36 kDa, observed, 36 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

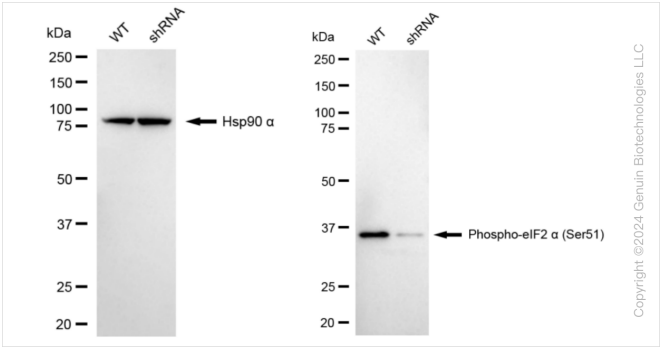
Target information (P05198)

Gene Name	EIF2S1
About Gene Symbol	EIF2S1 (Eukaryotic Translation Initiation Factor 2 Subunit Alpha) is a protein kinase and signaling regulator involved in translational regulation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

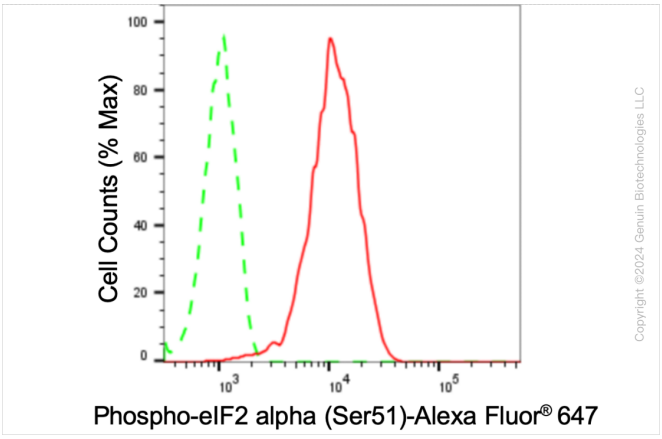
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Western blotting analysis using anti-phospho-eIF2 alpha (Ser51) antibody (Cat#ABG1795). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-phospho-eIF2 alpha (Ser51) antibody (Cat#ABG1795, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

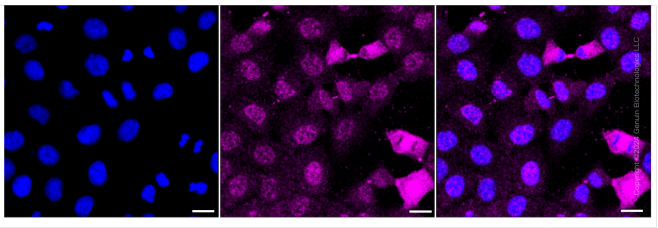


Western blotting analysis using anti-phospho-eIF2 alpha (Ser51) antibody (Cat#ABG1795). Phospho-eIF2 alpha (Ser51) expression in wild-type (WT) and EIF2S1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-phospho-eIF2 alpha (Ser51) antibody (Cat#ABG1795, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of mTOR expression in HepG2 cells using anti-mTOR antibody (Cat #63038, 1:2,000). Green, isotype control; red, mTOR.

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Immunocytochemical staining of HT-1080 cells with anti-Phospho-eIF2 alpha (Ser51) antibody (Cat#ABG1795, 1:1,000). Nuclei were stained blue with DAPI; Phospho-eIF2 alpha (Ser51) 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 µm.