

Anti-EIF2S1 antibody [EIF2S1A2B8] ab50733

1 References [画像数 3](#)

製品の概要

製品名	Anti-EIF2S1 antibody [EIF2S1A2B8]
製品の詳細	Mouse monoclonal [EIF2S1A2B8] to EIF2S1
由来種	Mouse
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Mouse, Human
免疫原	Recombinant Human EIF2S1
ポジティブ・コントロール	HEK293 and NIH3T3 whole cell lysates
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 1% BSA, 0.812% Sodium chloride, 0.0225% Potassium chloride, 0.1136% Dibasic monohydrogen sodium phosphate, PBS</p>
精製度	Protein G purified
特記事項 (精製)	ab50733 was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
ポリ/モノ	モノクローナル
クローン名	EIF2S1A2B8

アプリケーション

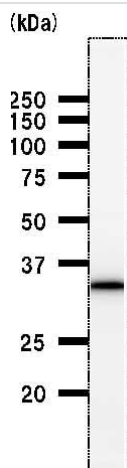
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab50733の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/50. Predicted molecular weight: 36 kDa.
ICC/IF		1/1.

ターゲット情報

機能	Functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B.
配列類似性	Belongs to the eIF-2-alpha family. Contains 1 S1 motif domain.
翻訳後修飾	Substrate for at least 4 kinases: EIF2AK1/HRI, EIF2AK2/PKR, EIF2AK3/PERK and EIF2AK4/GCN2. Phosphorylation stabilizes the eIF-2/GDP/eIF-2B complex and prevents GDP/GTP exchange reaction, thus impairing the recycling of eIF-2 between successive rounds of initiation and leading to global inhibition of translation (PubMed:15207627, PubMed:18032499). Phosphorylated; phosphorylation on Ser-52 by the EIF2AK4/GCN2 protein kinase occurs in response to amino acid starvation and UV irradiation.
細胞内局在	Cytoplasmic granule. The cytoplasmic granules are stress granules which are a dense aggregation in the cytosol composed of proteins and RNAs that appear when the cell is under stress. Colocalizes with NANOS3 in the stress granules (By similarity).

画像



Western blot - Anti-EIF2S1 antibody [EIF2S1A2B8] (ab50733)

Anti-EIF2S1 antibody [EIF2S1A2B8] (ab50733) at 1/50 dilution + HEK293 whole cell lysate at 50 µg

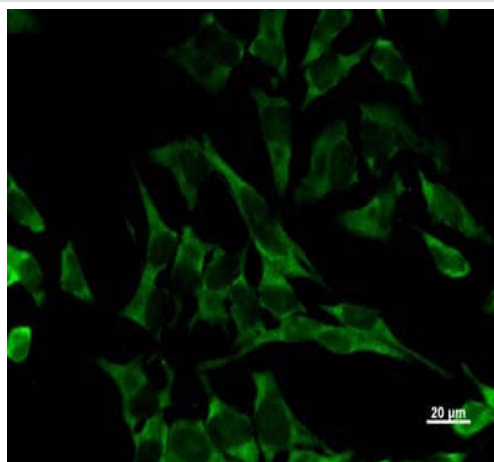
Secondary

Mouse IgG at 1/2500 dilution

Developed using the ECL technique.

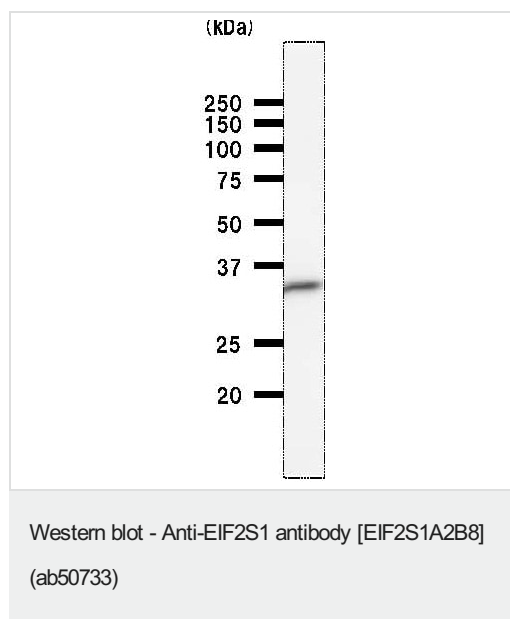
Predicted band size: 36 kDa

Observed band size: 34 kDa



Immunocytochemistry/ Immunofluorescence - Anti-EIF2S1 antibody [EIF2S1A2B8] (ab50733)

ab50733 at 1/1 dilution staining human EIF2S1 in HeLa Cells by Immunocytochemistry. A 1/200 dilution of Alexa Fluor 488 anti-mouse IgG is used as a secondary.



Anti-EIF2S1 antibody [EIF2S1A2B8] (ab50733) at 1/50 dilution +
NIH3T3 whole cell lysate at 50 µg

Secondary

anti-Mouse IgG at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 36 kDa

Observed band size: 33 kDa

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