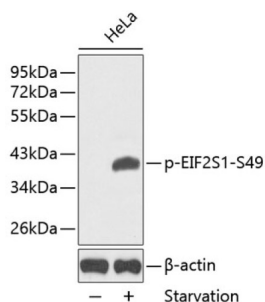
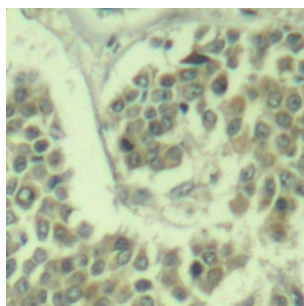


EIF2S1 (pS49) Antibody

Catalogue No.: abx000389



Western blot analysis of lysates from HeLa cells, using Phospho-eIF2 α -S49 Antibody. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% BSA.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma using Phospho-eIF2 α -S49 Antibody. Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

EIF2S1 (pS49) Antibody is a Rabbit Polyclonal antibody against EIF2S1 (pS49). The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987).

Target: EIF2S1 (pS49)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: WB, IHC

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: A phospho specific peptide corresponding to residues surrounding S49 of human EIF2S1

Isotype: IgG

Datasheet

Version: 3.0.0

Revision date: 13 May 2025



Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P05198 (UniProt , ExPASy)
Gene Symbol:	EIF2S1
GeneID:	1965
KEGG:	hsa:1965
String:	9606.ENSP00000256383
Molecular Weight:	Calculated MW: 36 kDa Observed MW: 40 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.