# EIF2S1 Antibody

**PACO49546**

## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC, IF

**Recommended dilutions:**

ELISA:1:2000-1:10000, IHC:1:20-1:200, IF:1:50-1:200

**Protein Background:**

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.

**Gene ID:**

EIF2S1

**Uniprot**

P05198

**Synonyms:**

Eukaryotic translation initiation factor 2 subunit 1 (Eukaryotic translation initiation factor 2 subunit alpha) (eIF-2-alpha) (eIF-2A) (eIF-2alpha), EIF2S1, EIF2A

**Immunogen:**

Recombinant Human Eukaryotic translation initiation factor 2 subunit 1 protein (276-315AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

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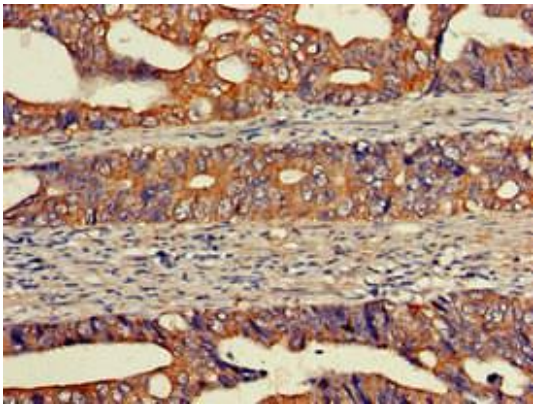
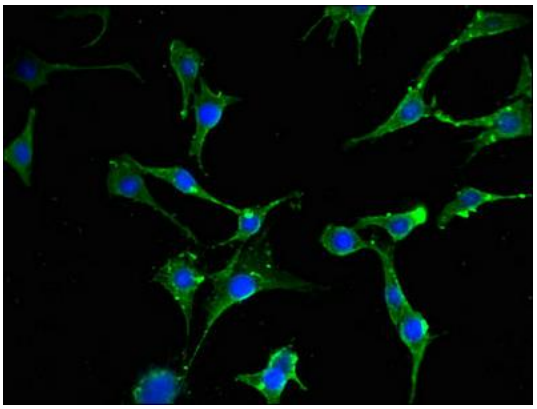
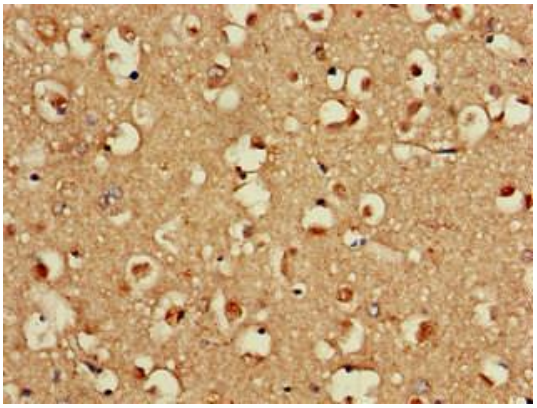
## Product Images



Immunohistochemistry of paraffin-embedded human colon cancer using PACO49546 at dilution of 1:100.



Immunofluorescent analysis of MCF-7 cells using PACO49546 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry of paraffin-embedded human brain tissue using PACO49546 at dilution of 1:100.