

# Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten! See the following pages for more information!



## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

# Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## eIF2alpha/EIF2S1 Antibody

Rabbit Polyclonal

SPECIES REACTIVITY

Antigen Affinity Purified NP 004085.1 Protein ID

Catalog No. A300-721A GeneID 1965

Lot No. A300-721A-1

**APPLICATIONS** WB. IP. IHC

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Rat, Bovine and

Orangutan

Human, Mouse

100 µl **AMOUNT** 

CONCENTRATION 200 ua/ml

STORAGE/SHELF LIFE 2 - 8° C / 1 year from date of receipt

PHYSICAL STATE Liauid

**BUFFER** Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide

**ISOTYPE** IaG **ORIGIN** USA

**PRODUCTION** Antibody was affinity purified using an epitope specific to eIF2alpha/EIF2S1 immobilized on solid **PROCEDURES** support. Immunoglobulin concentration was determined by extinction coefficient: absorbance

at 280 nm of 1.4 equals 1.0 mg of IgG.

The epitope recognized by A300-721A maps to a region between residue 275 and the Cterminus (residue 315) of human Eukarytic Translation Initiation Factor 2, subunit 1 alpha,

35kDa using the numbering given in entry NP\_004085.1 (GeneID 1965).

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined

experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 - 1:10,000

Immunoprecipitation 2 - 5 µg/mg lysate

Immunohistochemistry 1:200 - 1:1,000. Epitope retrieval with Tris-EDTA pH 9.0 is

recommended for FFPE tissue sections.

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020).

Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

**IHC HUMAN CONTROLS** Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma

**IHC MOUSE CONTROLS** Renal Cell Carcinoma, Teratoma

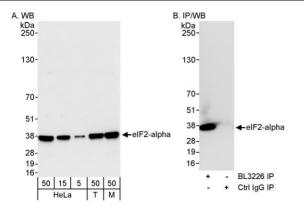
**ADDITIONAL INFO** https://www.bethyl.com/product/A300-721A

Use the link above to view SDS, a current list of citations, and other product specific information.

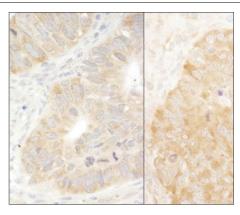
IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019





Detection of human and mouse eIF2alpha/EIF2S1 by western blot (h&m) and immunoprecipitation (h). Samples: Whole cell lysate from HeLa (5, 15 and 50  $\mu$ g for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50  $\mu$ g), and mouse NIH 3T3 (M; 50  $\mu$ g) cells. Antibodies: Affinity purified rabbit anti-eIF2alpha/EIF2S1 antibody BL3226 (Cat. No. A300-721A) used for WB at 0.04  $\mu$ g/ml (A) and 1  $\mu$ g/ml (B) and used for IP at 3  $\mu$ g/mg lysate (B). Detection: Chemiluminescence with exposure times of 30 seconds (A and B).



Detection of human and mouse eIF2alpha/EIF2S1 by immunohistochemistry. Sample: FFPE section of human colon carcinoma (left) and mouse teratoma (right). Antibody: Affinity purified rabbit anti-eIF2alpha/EIF2S1 (Cat. No. A300-721A Lot1) used at a dilution of 1:1,000 (0.2µg/ml) and 1:200 (1µg/ml). Detection: DAB