

# eIF2beta/EIF2S2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_003899.2

Catalog No. A301-742A

GeneID 8894

Lot No. A301-742A-1



<b>APPLICATIONS</b>	WB
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Orangutan
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to eIF2beta/EIF2S2 immobilized on solid support.

The epitope recognized by A301-742A maps to a region between residue 75 and 125 of human eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa using the numbering given in entry NP\_003899.2 (GeneID 8894).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

**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

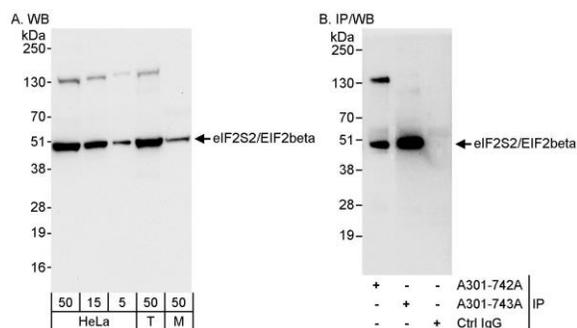
Immunoprecipitation Not recommended. Use rabbit anti-eIF2beta/EIF2S2 antibody A301-743A.

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

**ADDITIONAL INFO** <https://www.bethyl.com/product/A301-742A>

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

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 eIF2beta/EIF2S2 by western blot (h&m) and immunoprecipitation (h).**

*Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg), and mouse NIH 3T3 (M; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-eIF2beta/EIF2S2 antibody A301-742A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. eIF2beta/EIF2S2 was immunoprecipitated more efficiently by rabbit anti-eIF2beta/EIF2S2 antibody A301-743A, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 10 seconds (A and B).