

## Anti-EIF2S1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PA2029-Fluoro488

### About EIF2S1

EIF2S1 (Eukaryotic Translation Initiation Factor 2, Subunit 1), also called EIF2-alpha, is a protein that in humans is encoded by the EIF2S1 gene. Hartz (2010) mapped the EIF2S1 gene to chromosome 14q23.3 based on an alignment of the EIF2S1 sequence with the genomic sequence (GRCh37). Ernst et al. (1987) stated that protein synthesis is inhibited due to phosphorylation of Eif2-alpha in hemin-deprived rabbit reticulocyte lysates. HeLa cells subjected to heat shock, serum deprivation, or interferon treatment followed by virus infection also show a correlation between EIF2-alpha phosphorylation and translational repression. Jacob et al. (1989) found that the alpha-Pal transcription factor bound to 2 palindromic sites within the EIF2-alpha promoter and was essential for transcription of the EIF2-alpha gene.

### Overview

Product Name	Anti-EIF2S1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P05198

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human EIF2S1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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