

Cat. No: AB-84175
Size: 100 ug
Clone: POLY
Concentration: 1mg/ml
Host: Rb
Isotype: igG
Immunogen: A synthetic peptide of human EIF2A
Reactivity: Hu, Ms
Applications: Western Blot: 1:1000
Molecular Weight: 65kDa
Purification: Aff. Pur.
Synonyms: EIF2A; CDA02; EIF-2A; MST089; MSTP004; MSTP089; eukaryotic translation initiation factor 2A.

Background: This gene encodes a eukaryotic translation initiation factor that catalyzes the formation of puromycin-sensitive 80 S preinitiation complexes and the poly(U)-directed synthesis of polyphenylalanine at low concentrations of Mg²⁺. This gene should not be confused with eIF2-alpha (EIF2S1, Gene ID: 1965), the alpha subunit of the eIF2 translation initiation complex. Although both of these proteins function in binding initiator tRNA to the 40 S ribosomal subunit, the encoded protein does so in a codon-dependent manner, whereas eIF2 complex requires GTP. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

Form: Liquid
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3
Storage: Store at -20°C, and avoid repeat freeze-thaw cycles.

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