

Product Datasheet

Phospho-eIF2 alpha (Ser51) Antibody

Catalog No: CY5036

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF FC



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Information

UniProt ID: P05198

All Names: EIF-2; Eukaryotic translation initiation factor 2 subunit 1; Eukaryotic translation initiation factor 2 subunit alpha; eIF-2-alpha; eIF-2A; eIF-2alpha; EIF2; EIF2A; EIF2S1; eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa; IF2A

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide derived from human Phospho-eIF2 alpha (Ser51). Human eIF2 alpha residue Ser52 historically has been referenced as Ser51.

Molecular Wt.: 36 kDa

Application

WB: 1:500~1:2000

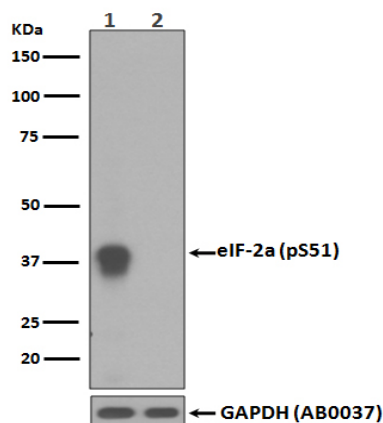
IHC: 1:50~1:200

ICC/IF: 1:50~1:200

FC: 1:40

Background

eIF2A a translation initiation factor that 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.



Western blot analysis of Phospho-eIF2 alpha (Ser51) expression in (1)HeLa cell lysates treated with Calyculin A;(2) Untreated HeLa cell lysates.

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