

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **EIF2A (2E4F5) MOUSE MAB**

**Cat.#:** N261144

Product Name: Anti-eIF2A (2E4F5) Mouse Monoclonal Antibody

**Synonyms:** EIF2S1; EIF2A; Eukaryotic translation initiation factor 2 subunit 1; Eukaryotic translation initiation factor 2 subunit alpha; eIF-2-alpha; eIF-2A;

eIF-2alpha

**UNIPROT ID:** P05198

**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.

**Immunogen:** Purified recombinant human  $eIF2\alpha$  protein fragments

expressed in E.coli.

**Applications:** WB,ICC/IF,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

Host Species: Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 2E4-F5-E7

MW: Calculated MW: 36 kDa; Observed MW: 36 kDa

Isotype: IgG2b

Purification: Affinity Purified

Species Reactivity: Human, Mouse, Rat

**Conjugation:** Unconjugated **Modification:** Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

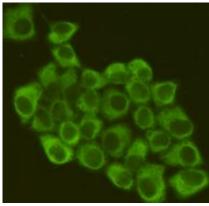
Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

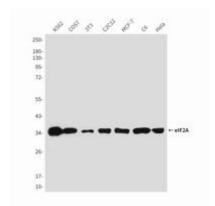


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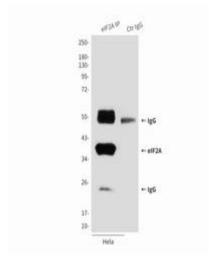
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Immunofluorescence analysis of eIF2A (2E4F5) in Hela using eIF2???¤ antibody.



Western blot analysis of eIF2???¤ in K562, COS7, 3T3, C2C12, MCF-7, C6 and Hela lysates using eIF2???¤ antibody.



Immunoprecipitation analysis of eIF2A (2E4F5) in Hela lysates using eIF2???¤ antibody.