

## Anti-eIF2A (2E4F5) Mouse Monoclonal Antibody

### Introduction

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.

### Product parameters

|                    |  |
|--------------------|--|
| Alternative Names  | EIF2S1; EIF2A; Eukaryotic translation initiation factor 2 subunit 1; Eukaryotic translation initiation factor 2 subunit alpha; eIF-2-alpha; eIF-2A; eIF-2alpha |
| Gene ID            | 1965   |
| Gene Name          | EIF2S1   |
| SwissProt ID       | P05198   |
| Host               | Mouse  |
| Reactivity         | Human, Mouse, Rat  |
| Molecular Weight   | Calculated MW: 36 kDa; Observed MW: 36 kDa   |
| Conjugation        | Unconjugated   |
| Ex                 | -  |
| Em                 | -  |
| Modification       | Unmodified   |
| Clonality          | IgG2b  |
| Isotype            | Monoclonal Antibody  |
| Clonality No.      | AP-16E12A10  |
| Form               | Liquid   |
| Concentration      | See label  |
| Carrier            | Carrier Not Free   |
| Immunogen          | Purified recombinant human eIF2 $\alpha$ protein fragments expressed in E.coli.  |
| Purification       | Affinity Purified  |
| Buffer System      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.  |
| Application        | WB, ICC/IF, IP   |
| Dilution Ratio     | WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20   |
| Research Field     | Epigenetics and Nuclear Signaling  |
| Product Categories | Primary antibody   |
| Shipping           | Blue ice   |

|                 |                                  |
|-----------------|----------------------------------|
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



**APEx BIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)