



eIF2A Rabbit mAb

Catalog No.: A9709

Recombinant

1 Publications

Basic Information

Observed MW

60kDa

Calculated MW

65kDa

Category

Primary antibody

Applications

WB,IHC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1712

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- α (EIF2S1, Gene ID: 1965), the α 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. [provided by RefSeq, Jan 2016]

Recommended Dilutions

| | |
|-----|----------------|
| WB | 1:500 - 1:2000 |
| IHC | 1:50 - 1:200 |

Immunogen Information

| Gene ID | Swiss Prot |
|---------|------------|
| 83939 | Q9BY44 |

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 450-550 of human eIF2A (Q9BY44).

Synonyms

CDA02; EIF-2A; MST089; MSTP004; MSTP089

Contact

www.abclonal.com

Product Information

| Source | Isotype | Purification |
|--------|---------|-----------------------|
| Rabbit | IgG | Affinity purification |

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thiomersal, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using eIF2A Rabbit mAb (A9709) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Western blot analysis of extracts of Rat lung, using eIF2A Rabbit mAb (A9709) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 3min.



Immunohistochemistry of paraffin-embedded rat pancreas using eIF2A Rabbit mAb (A9709) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry of paraffin-embedded human thyroid cancer using eIF2A Rabbit mAb (A9709) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry of paraffin-embedded mouse testis using eIF2A Rabbit mAb (A9709) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.