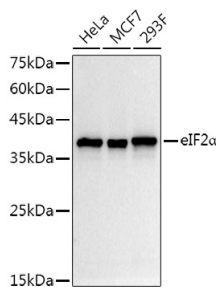


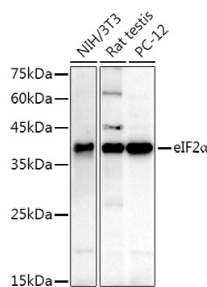
Cat. No:	MAB-94711
Conjugate:	Unconjugated
Size:	100 ug
Clone:	D7D3
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A recombinant protein fragment corresponding to a sequence of human EIF2A
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:1000;IF: 1:50; ICC 1:50
Molecular Weight:	38kDa
Purification:	Aff. Pur.
Synonyms:	EIF-2;EIF-2A;EIF-2alpha;EIF2;EIF2A;EIF2S1

Background: The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha

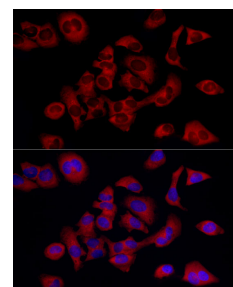
Form:	Liquid
Buffer:	PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3
Storage:	Store at -20°C, and avoid repeat freeze-thaw cycles.



Western blot analysis of extracts of various cell lines, using eIF2 α antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in



Western blot analysis of extracts of various cell lines, using eIF2 α antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in



Immunofluorescence analysis of HeLa using eIF2 α Rabbit MAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

TBST.
Detection: ECL Basic Kit.
Exposure time: 3s.

TBST.
Detection: ECL Basic Kit.
Exposure time: 30s.

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