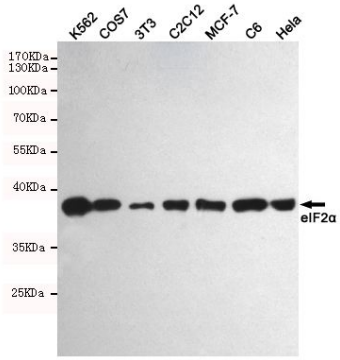
eIF2α

Mouse monoclonal Antibody

#53707

Catalog Number: 53707
Amount: 100μg/100μl
Swiss-Prot No. :P05198
Gene name:eif2s1
Gene id:1965
Clone Number： 2E4-F5-E7
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human eIF2α protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of eIF2α and does not corss-react with related proteins
Reactivity: Human,Mouse,Rat
Applications: Predicted MW: 38kd WB: 1:1000 ICC/IF:1:200



Western blot detection of eIF2α in K562,COS7,3T3, C2C12,MCF-7,C6 and Hela cell lysates using eIF2α mouse mAb (1:1000 diluted).Predicted band size:38KDa.Observed band size:38KDa.

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