ANGIO-PROTEOMIE
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DATA SHEET

Mouse Monoclonal Antibody to 4E-BP1

Cataloge Number	sAP-0083
Target Molecule	**Name: 4E-BP1** **Aliases:** BP-1; 4EBP1; 4E-BP1; PHAS-I; MGC4316; EIF4EBP1 **MW: N/A** **Entrez Gene ID: 1978**
Descrption	4E-BP1(eukaryotic translation Initiation Factor 4E Binding Protein 1),also called ELF4EBP1/BP-1/PHAS-I ,which is located on chromosome 8p12, with 118-amino acid protein (about 13kDa). Binding of eIF4EBP1 to eIF4E is reversible and is dependent on the phosphorylation status of eIF4EBP1. Non phosphorylated eIF4EBP1 will bind strongly to eIF4E while(24kDa), the phosphorylated form will not. Akt, TOR, MAP kinase, S6 kinase, and Cdc2 are known kinases capable of inactivating eIF4EBP1 binding to eIF4E by phosphorylating either threonines 35, 45, 69 or serine 64. Although, not all phosphorylation events equally block the eIF4EBP1-eIF4E interaction.
Immunogen	Purified recombinant fragment of 4EBP1 expressed in E. Coli.
Recitative Species	Human
Clone	MM11G12C11;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide.
Reconstitution/Storages	Reconstitued with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Pause, A. et al. 1994.Nature. 371:762–767. ; 2. Fadden, P. et al. 1997. J. Biol. Chem. 272:10240–10247. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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