

4EBP1 Monoclonal Antibody (11G12C11)

Catalog Number MA5-15314

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	ELISA (ELISA)	1:10,000
Type	Antibody	Immunohistochemistry (IHC)	1:200-1:1,000
Clone	11G12C11	Western Blot (WB)	1:500-1:2,000
Immunogen	Purified recombinant fragment of 4EBP1 expressed in E. Coli.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1.0 mg/mL		
Purification	Protein G		
Storage buffer	PBS		
Contains	0.03% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

MA5-15314 targets 4E-BP1 in indirect ELISA, IHC and WB applications and shows reactivity with Human samples. The MA5-15314 immunogen is purified recombinant fragment of 4EBP1 expressed in E. Coli.

Background/Target Information

This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E, which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.

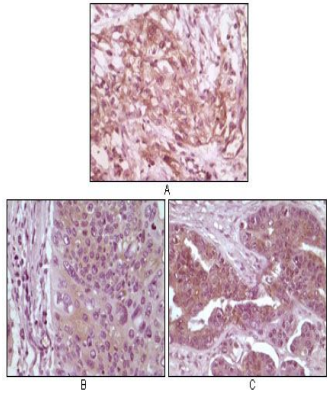
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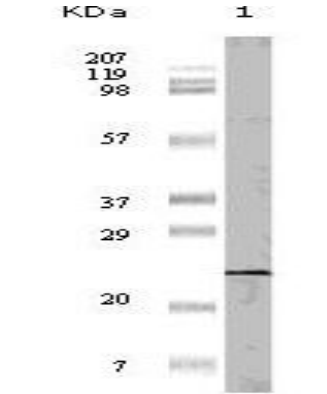
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Product Images For 4EBP1 Monoclonal Antibody (11G12C11)



4EBP1 Antibody (MA5-15314) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human pancreas carcinoma (A), esophagus carcinoma tissue (B) and ovary tumor tissue, showing cytoplasmic and membrane localization using 4E-BP1 monoclonal antibody (Product # MA5-15314) followed with DAB staining.



4EBP1 Antibody (MA5-15314) in WB

Western blot analysis of 4E-BP1 using a 4E-BP1 monoclonal antibody (Product # MA5-15314) against a truncated 4E-BP1 recombinant protein (1).

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