OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA321619

EIF4EBP1 Rabbit Polyclonal Antibody

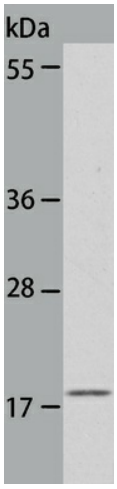
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:2000-5000, WB: 1:200-1000,IHC: 1:50-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 4-118 amino acids of human eukaryotic translation initiation factor 4E binding protein 1
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	13 kDa
Gene Name:	eukaryotic translation initiation factor 4E binding protein 1
Database Link:	NP_004086 Entrez Gene 13685 MouseEntrez Gene 116636 RatEntrez Gene 1978 Human Q13541
Background:	This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), 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.
Synonyms:	4E-BP1; 4EBP1; BP-1; PHAS-I

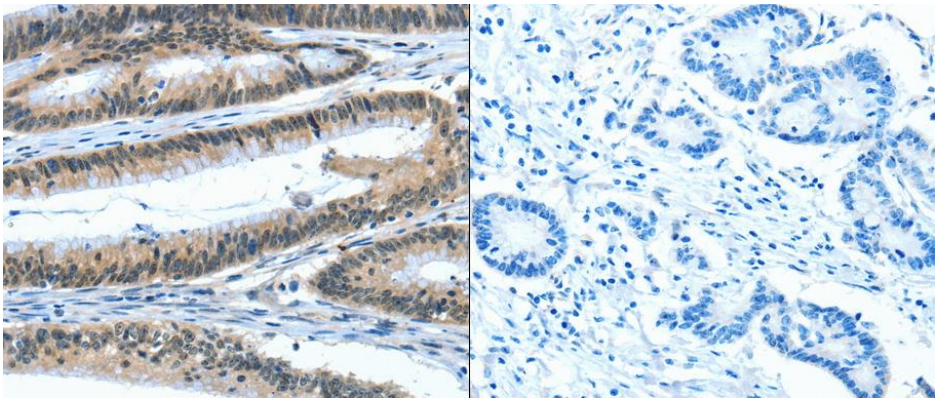
View online »

Protein Pathways: Acute myeloid leukemia, ErbB signaling pathway, Insulin signaling pathway, mTOR signaling pathway

Product images:



Predicted band size: 13kDa. Positive control: 293T cell lysate. Recommended dilution: 1/200-1000. (Gel: 8+12%SDS-PAGE Lysate: 40 ug Primary antibody: 1/530 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/8000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm and Nucleus. Positive control: Human colon cancer tissue. Recommended dilution: 1/50-200 The image on the left is immunohistochemistry of paraffin-embedded human colon cancer tissue using EIF4EBP1 antibody at dilution 1/50, on the right is treated with the fusion protein. (Original magnification:x200)