

# 4EBP1 Polyclonal antibody

Catalog Number: 13988-1-AP

2 Publications

## Basic Information

**Catalog Number:**

13988-1-AP

**Size:**

100 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5056

**GenBank Accession Number:**

BC004459

**GeneID (NCBI):**

1978

**UNIPROT ID:**

Q13541

**Full Name:**eukaryotic translation initiation  
factor 4E binding protein 1**Calculated MW:**

118 aa, 12 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

ELISA

**Cited Applications:**

IF, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

## Background Information

Eukaryotic translation initiation factor 4E-binding protein 1 (EIF4EBP1), is a member of 4E-BPs family, which regulate the translation of a subset of mRNAs by competing with eIF4G for binding to eIF4E, thus preventing the assembly of the eIF4F complex. The eIF4F facilitates the recruitment of other translation initiation factors to form the complex and then initiates cap-dependent translation. It also mediates the regulation of protein translation by hormones and other stimuli that signal through the MAP kinase and mTORC1 pathways. There are three forms of EIF4EBP1, alpha, beta and gamma.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rong Li	36944636	Cell Death Discov	IF
Baomei Xia	33307051	J Ethnopharmacol	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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