

For Research Use Only

4EBP1 Polyclonal antibody

Catalog Number: 13988-1-AP **2 Publications**



Basic Information

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| Catalog Number: 13988-1-AP | GenBank Accession Number: BC004459 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 100 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 1978 | |
| Source: Rabbit | Full Name: eukaryotic translation initiation factor 4E binding protein 1 | |
| Isotype: IgG | Calculated MW: 118 aa, 12 kDa | |
| Immunogen Catalog Number: AG5056 | | |

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 EIF4EP1, 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

*** 20ul sizes contain 0.1% BSA

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