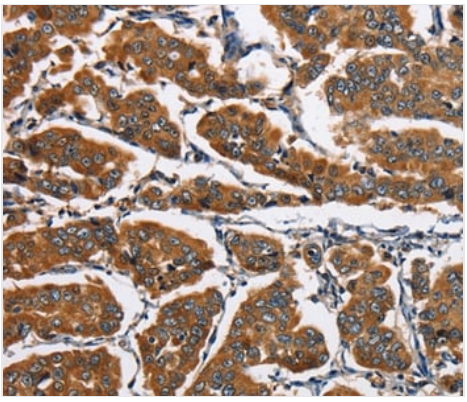
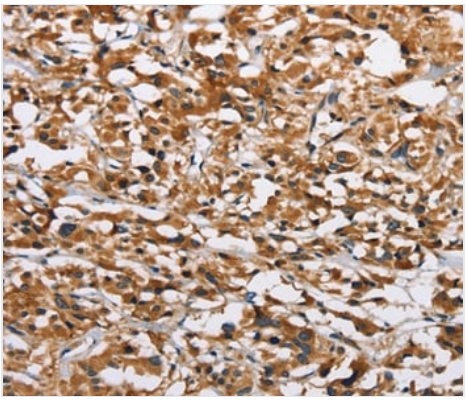
EIF4EBP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EIF4EBP2, Polyclonal Antibody
Full Product Name	EIF4EBP2 Antibody
Product Gene Name	anti-EIF4EBP2 antibody
Product Synonym Names	4EBP2; PHASII
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	1.5 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total EIF4EBP2 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	12,939 Da
OMIM	602224
3D Structure	ModBase 3D Structure for Q13542
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	EIF4EBP2
Product Categories/Family for anti-EIF4EBP2 antibody	Total protein Ab
Applications Tested/Suitable for anti-EIF4EBP2 antibody	Immunohistochemistry (IHC)
Application Notes for anti-EIF4EBP2 antibody	Immunohistochemistry: 1:25-1:100
Related Product Information for anti-EIF4EBP2 antibody	This gene encodes a member of the eukaryotic translation initiation factor 4E binding protein family. The gene products of this family bind eIF4E and inhibit translation initiation. However, insulin and other growth factors can release this inhibition via a phosphorylation-dependent disruption of their binding to eIF4E. Regulation of protein production through these gene products have been implicated in cell proliferation, cell differentiation and viral infection.
Other Notes	Small volumes of anti-EIF4EBP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EIF4EBP2 purchase	MBS9410437 is an antibody targeting EIF4EBP2. Also known as EIF4EBP2 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-EIF4EBP2 antibody
Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using at dilution 1/30.



Immunohistochemistry (IHC) of anti-EIF4EBP2 antibody
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/30.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EIF4EBP2. It may not necessarily be applicable to this product.

NCBI GI #	4758260
NCBI GeneID	1979
NCBI Accession #	NP_004087.1
UniProt Primary Accession #	Q13542
UniProt Related Accession #	Q13542
GenBank Nucleotide #	NM_004096.4
NCBI Official Full Name	eukaryotic translation initiation factor 4E-binding protein 2
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4E binding protein 2
NCBI Official Symbol	EIF4EBP2
NCBI Official Synonym Symbols	4EBP2; PHASII
UniProt Protein Name	Eukaryotic translation initiation factor 4E-binding protein 2
Protein Family	Eukaryotic translation initiation factor 4E-binding protein
UniProt Gene Name	EIF4EBP2
UniProt Synonym Gene Names	eIF4E-binding protein 2
UniProt Entry Name	4EBP2_HUMAN
NCBI Protein Information	eukaryotic translation initiation factor 4E-binding protein 2
UniProt Comments for EIF4EBP2	4E-BP2: eukaryotic translation initiation factor 4E binding protein 2 Protein type: Translation; Translation initiation Chromosomal Location of Human Ortholog: 10q21-q22 Molecular Function: protein binding; eukaryotic initiation factor 4E binding Biological Process: negative regulation of translational initiation; cAMP-mediated signaling; translation; insulin receptor signaling pathway
Research Articles on EIF4EBP2	**1.** results highlight stabilization of a phosphorylation-induced fold as the essential mechanism for phospho-regulation of the 4E-BP:eIF4E interaction and exemplify a new mode of biological regulation mediated by intrinsically disordered proteins

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