

Product datasheet for CF502431

OriGene Technologies, Inc.

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EIF4EL3 (EIF4E2) Mouse Monoclonal Antibody [Clone ID: OTI4E7]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI4E7
Applications: IHC, WB

Recommended Dilution: WB 1:2000, IHC 1:150

Reactivity: Human, Mouse

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human EIF4E2(NP_004837) produced in HEK293T

cell.

Formulation: Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)

Reconstitution Method: For reconstitution, we recommend adding 100uL distilled water to a final antibody

concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)

Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 28.2 kDa

Gene Name: eukaryotic translation initiation factor 4E family member 2

Database Link: NP 004837

Entrez Gene 26987 MouseEntrez Gene 9470 Human

<u>060573</u>

Synonyms: 4E-LP; 4EHP; EIF4EL3; IF4e

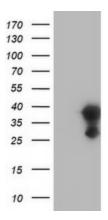
Protein Families: Transcription Factors



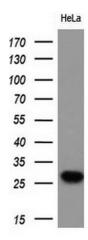


Protein Pathways: Insulin signaling pathway, mTOR signaling pathway

Product images:

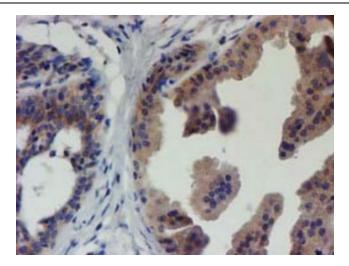


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY EIF4E2 ([RC201391], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-EIF4E2. Positive lysates [LY401518] (100ug) and [LC401518] (20ug) can be purchased separately from OriGene.

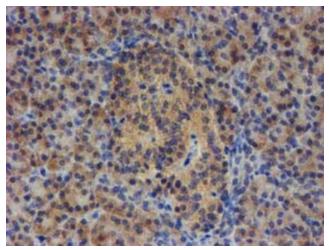


Western blot analysis of extracts (10ug) from 1 cell line by using anti-EIF4E2 monoclonal antibody (1:200).

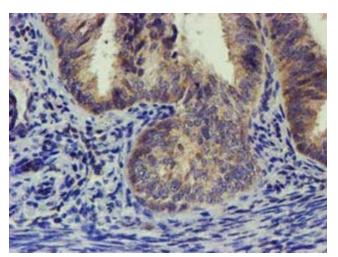




Immunohistochemical staining of paraffinembedded Human breast tissue within the normal limits using anti-EIF4E2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502431])



Immunohistochemical staining of paraffinembedded Human pancreas tissue within the normal limits using anti-EIF4E2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502431])



Immunohistochemical staining of paraffinembedded Adenocarcinoma of Human endometrium tissue using anti-EIF4E2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502431])