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 CF502404

EIF4EL3 (EIF4E2) Mouse Monoclonal Antibody [Clone ID: OTI1F2]

Product data:

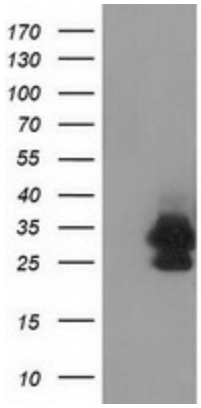
Product Type:	Primary Antibodies
Clone Name:	OTI1F2
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human EIF4E2 (NP_004837) produced in HEK293T 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 O60573
Synonyms:	4E-LP; 4EHP; EIF4EL3; IF4e
Protein Families:	Transcription Factors

View online »

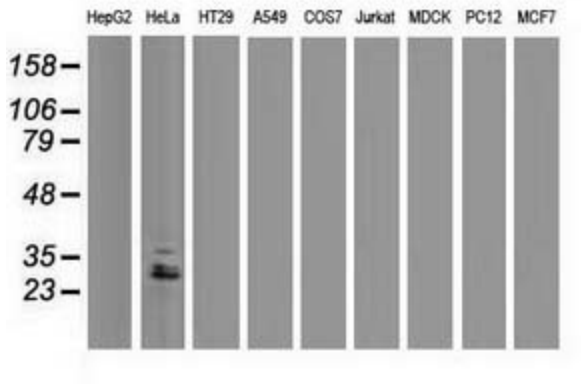
This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Protein Pathways: Insulin signaling pathway, mTOR signaling pathway

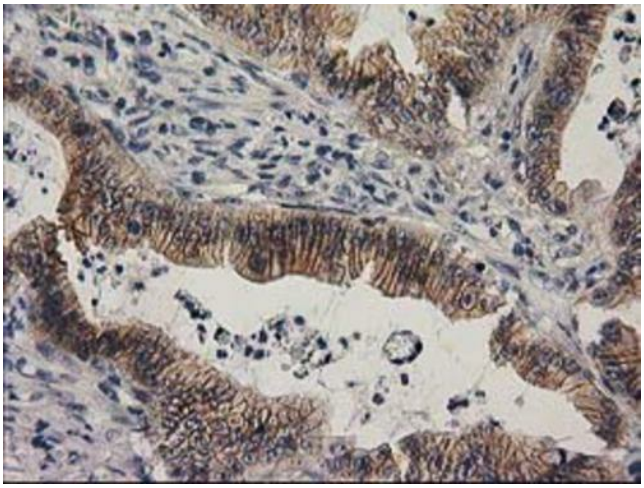
Product images:



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.

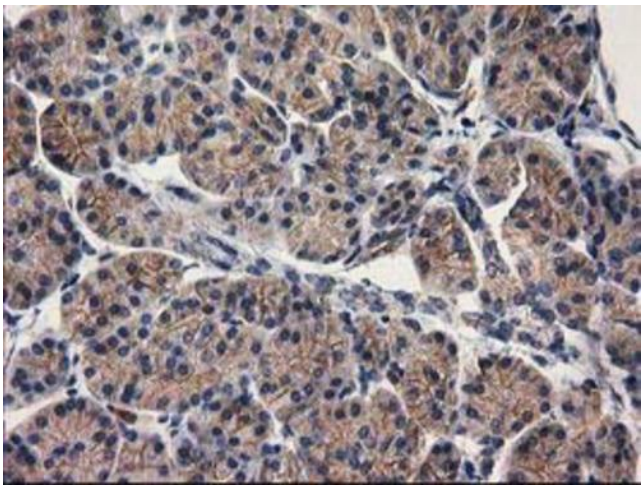


Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-EIF4E2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).

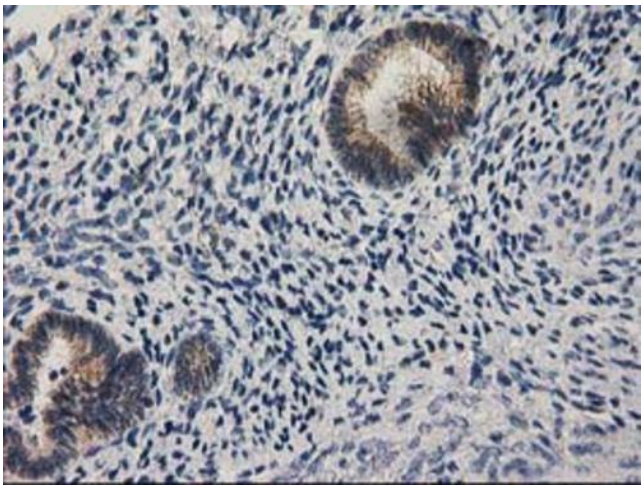


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-EIF4E2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502404])

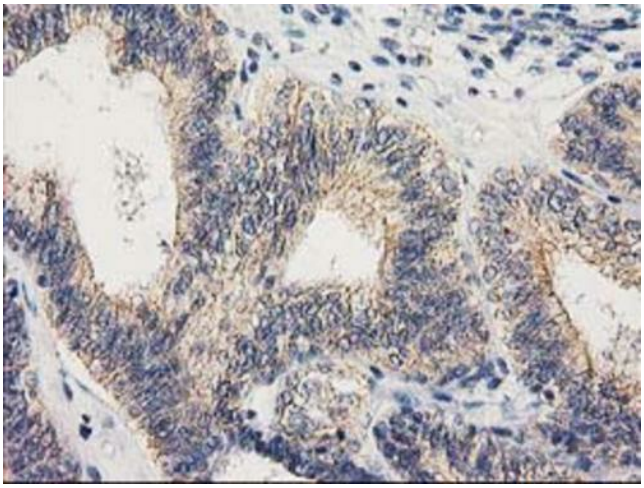
This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Immunohistochemical staining of paraffin-embedded 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, [TA502404])

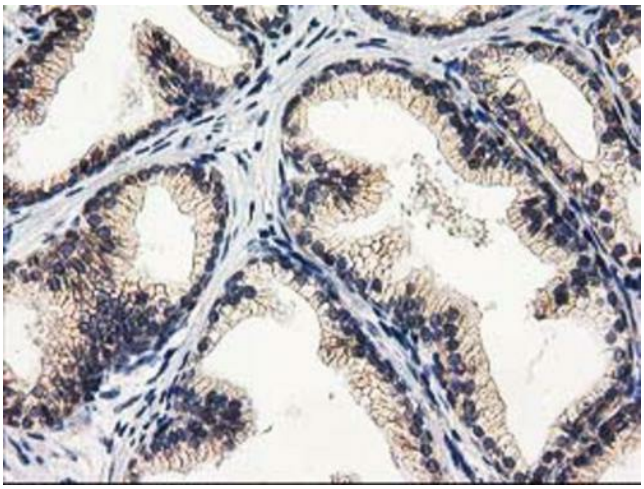


Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-EIF4E2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502404])

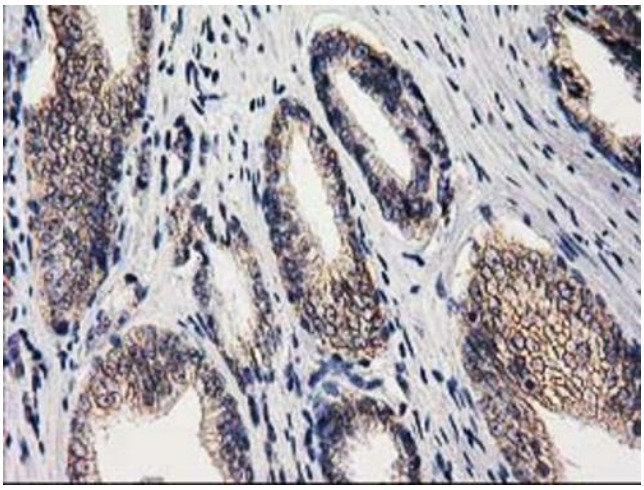


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-EIF4E2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502404])

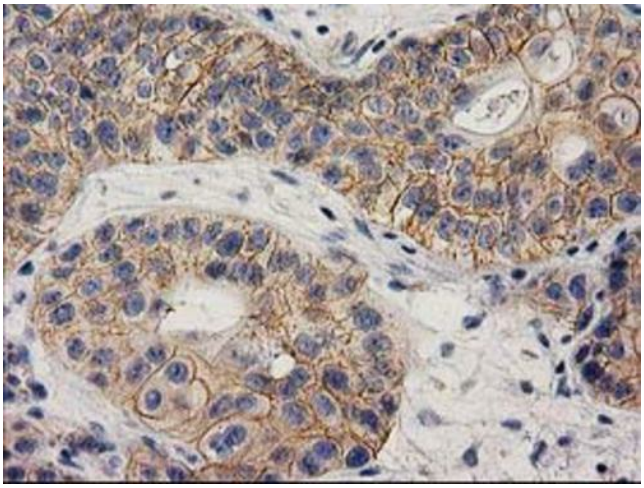
This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Immunohistochemical staining of paraffin-embedded Human prostate 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, [TA502404])

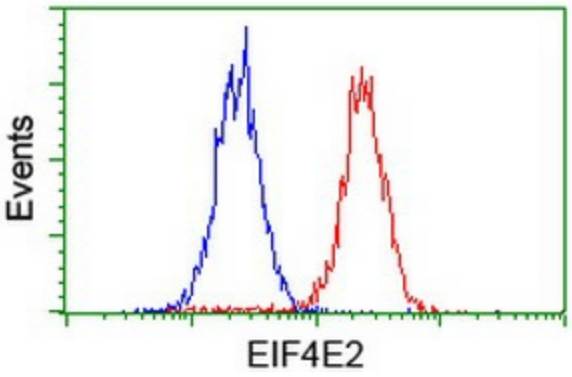


Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-EIF4E2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502404])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-EIF4E2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502404])

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Flow cytometric Analysis of Hela cells, using anti-EIF4E2 antibody ([TA502404]), (Red), compared to a nonspecific negative control antibody, (Blue).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US