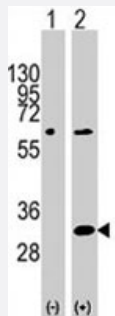


EIF4E2 polyclonal antibody

Catalog # PAB1899

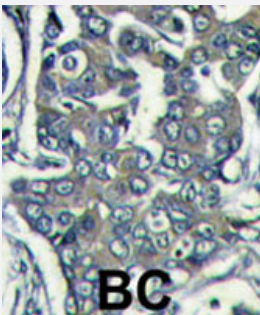
Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of EIF4E2 polyclonal antibody (Cat # PAB1899) (arrow). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EIF4E2 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with EIF4E2 polyclonal antibody (Cat # PAB1899), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EIF4E2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human EIF4E2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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Gene Info — EIF4E2

Entrez GeneID	9470
Protein Accession#	NP_004837;O60573
Gene Name	EIF4E2
Gene Alias	4E-LP, 4EHP, EIF4EL3, IF4e
Gene Description	eukaryotic translation initiation factor 4E family member 2
Omim ID	605895
Gene Ontology	Hyperlink
Other Designations	eIF4E-like cap-binding protein eukaryotic translation initiation factor 4E member 2 eukaryotic translation initiation factor 4E-like 3

Publication Reference

- [Characterizing the interaction of the mammalian eIF4E-related protein 4EHP with 4E-BP1.](#)

Tee AR, Tee JA, Blenis J.

FEBS Letters 2004 Apr; 564(1-2):58.

- [Identification of genes expressed in human CD34\(+\) hematopoietic stem/progenitor cells by expressed sequence tags and efficient full-length cDNA cloning.](#)

Mao M, Fu G, Wu JS, Zhang QH, Zhou J, Kan LX, Huang QH, He KL, Gu BW, Han ZG, Shen Y, Gu J, Yu YP, Xu SH, Wang YX, Chen SJ, Chen Z.

PNAS 1998 Jul; 95(14):8175.

- [Cloning and characterization of 4EHP, a novel mammalian eIF4E-related cap-binding protein.](#)

Rom E, Kim HC, Gingras AC, Marcotrigiano J, Favre D, Olsen H, Burley SK, Sonenberg N.

The Journal of Biological Chemistry 1998 May; 273(21):13104.

Application: WB-Ce, WB-Re, Human, HEK 293, HeLa cells, Recombinant protein

Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)