

eIF4E Polyclonal Antibody

Catalog NumberPA5-24582

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	<div><div>Tested Applications</div><div>Dilution *</div></div>	
Class	Polyclonal		
Type	Antibody		
Immunogen	recombinant protein from human VGFR2.		
Conjugate	Unconjugated	Flow Cytometry (Flow)	1:10-1:50
Form	Liquid	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Concentration	0.32 mg/mL	Western Blot (WB)	1:1,000
Purification	Protein A, Antigen affinity chromatography	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

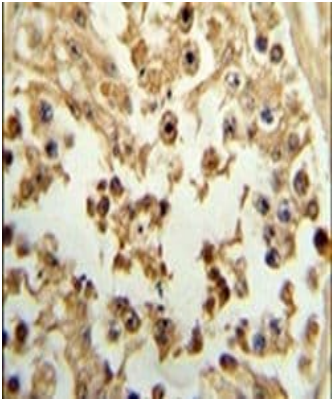
eIF4E is involved in several cellular processes including enhanced translational efficiency, splicing, mRNA stability, and RNA nuclear export. All eukaryotic cellular mRNAs are blocked at their 5-prime ends with the 7-methylguanosine cap structure, m7GpppX (where X is any nucleotide). EIF4E is a eukaryotic translation initiation factor involved in directing ribosomes to the cap structure of mRNAs. It is a 24-kD polypeptide that exists as both a free form and as part of a multiprotein complex termed EIF4F. The EIF4E polypeptide is the rate-limiting component of the eukaryotic translation apparatus and is involved in the mRNA-ribosome binding step of eukaryotic protein synthesis. The other subunits of EIF4F are a 50-kD polypeptide, termed EIF4A, that possesses ATPase and RNA helicase activities, and a 220-kD polypeptide, EIF4G.

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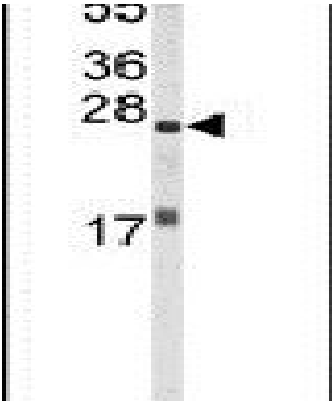
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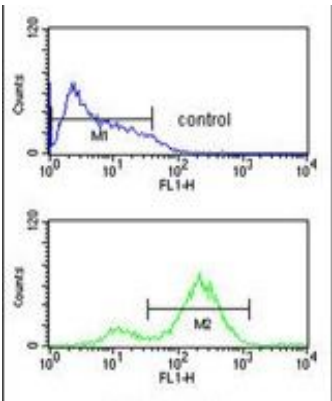
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eIF4E Antibody (PA5-24582) in IHC (P)
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human testis tissue using an EIF4E polyclonal antibody (Product # PA5-24582), followed by HRP-conjugated secondary antibody and DAB staining.



eIF4E Antibody (PA5-24582) in WB
Western blot analysis using an EIF4E polyclonal antibody (Product # PA5-24582) in HL-60 cell lysates (35 µg per lane).



eIF4E Antibody (PA5-24582) in Flow
Flow cytometry analysis of HL-60 cells using an EIF4E polyclonal antibody (Product # PA5-24582) (bottom) compared to a negative control cell (top) at a dilution of 1:10-50, followed by a FITC-conjugated goat anti-rabbit antibody

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