

bs-4979R

[Primary Antibody]

eIF4E Rabbit pAb

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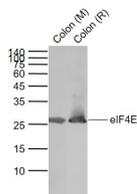
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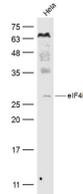
— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat Predicted MW.: 24 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Polyclonal		
GeneID: 1977	SWISS: P06730	
Target: eIF4E		
Immunogen: KLH conjugated synthetic peptide derived from human eIF4E: 121-217/217.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: eIF4E, a protein modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. eIF4E also influences the overall rate of translation. eIF4E binds to the 7 methyl GTP cap structure of eukaryotic mRNAs. Phosphorylation of eIF4E on serine 209 regulates the affinity of this protein for the 7 methyl GTP cap and/or RNA. Phosphorylation also enhances the interaction of eIF4E with eIF4G, which form a complex known as eIF4F. eIF4E phosphorylation is correlated with increased translational rate in a number of cell types. Several kinases are currently being investigated as potential regulators of eIF4E including PKC and/or the MAP kinase activated Mnk.		

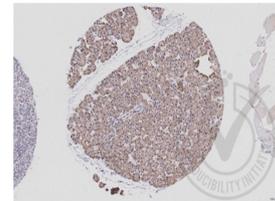
— VALIDATION IMAGES —



Sample: Lane 1: Colon (Mouse) Lysate at 40 ug
Lane 2: Colon (Rat) Lysate at 40 ug
Primary: Anti-eIF4E (bs-4979R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 27 kD
Observed band size: 27 kD



Sample: HeLa(Human) Cell Lysate at 30 ug
Primary: Anti-eIF4E (bs-4979R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 24 kD
Observed band size: 28 kD



Independently Validated Antibody, image provided by Science Direct, badge number 029640: Formalin-fixed and paraffin embedded human pancreas labeled with Anti-eIF4E Polyclonal Antibody, Unconjugated (bs-4979R) at 1:250 followed by conjugation to the secondary antibody and DAB staining