Sore at -20C

eIF4H (D85F2) XP® Rabbit mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 25, 27	Source/Isotype: Rabbit IgG	UniProt ID: #Q15056	Entrez-Gene ld: 7458	
Product Usage Information	Ap	Application			Dilution		
	We	estern Blotting		1:1000			
	Imi	munoprecipitation		1:50			
	Im	munofluorescence (Immunocytochen	1:200 - 1:800			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20° C. Do not aliquot the antibody.					
Specificity / Sensit	ivity eIF4	eIF4H (D85F2) $\mathrm{XP}^{\mathrm{@}}$ Rabbit mAb detects endogenous levels of total eIF4H protein.					
Source / Purification Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding sequence of human eIF4H.					esponding to the		
Background	(eIF in a by t exte herp (4). Will	4H) was purified to n assay deficient in he initiation factors and of eIF4A-mediate ses simplex virus sholetion of a large lams-Beuren Syndromers.	ety of factors contribute to the initiation of translation. Eukaryotic translation initiation factor 4H H) was purified to near homogeneity from rabbit reticulocyte lysate and shown to stimulate translation assay deficient in eIF4F and eIF4B (1). eIF4H induces the RNA-dependent ATP hydrolysis catalyzed initiation factors eIF4A and eIF4B (1,2). eIF4H was further shown to stimulate the initial rate and to feIF4A-mediated mRNA secondary structure unwinding (3). Interaction between eIF4H and the simplex virus shutoff protein (Vhs) appears to be important for Vhs-mediated degradation of mRNA eletion of a large region of chromosome 7, including the corresponding eIF4H gene, results in ms-Beuren Syndrome (WBS), an autosomal dominant disorder that can present with cardiovascular ems, mental retardation and distinctive facial features (5).				
Background Refere	1. Richter-Cook, N.J. et al. (1998) <i>J Biol Chem</i> 273, 7579-87. 2. Rogers, G.W. et al. (1999) <i>J Biol Chem</i> 274, 12236-44. 3. Rogers, G.W. et al. (2001) <i>J Biol Chem</i> 276, 30914-22. 4. Sarma, N. et al. (2008) <i>J Virol</i> 82, 6600-9.						

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking overright.

5. Osborne, L.R. et al. (1996) Genomics 36, 328-36.

Applications Key
Cross-Reactivity Key

WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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