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Datasheet for ABIN6140094 anti-EIF4G1 antibody (AA 400-500)

Image



Overview

Quantity:	100 µL
Target:	EIF4G1
Binding Specificity:	AA 400-500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4G1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 400-500 of human EIF4G1 (NP_886553.3).
Sequence:	PEELLNGAPS PPAVDLSPVS EPEEQAKEVT ASMAPPTIPS ATPATAPSAT SPAQEEEMEE EEEEEGEAG EAGEAESEKG GEELLPPEST PIPANLSQNL E
Isotype:	lgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details	
Target:	EIF4G1
Alternative Name:	EIF4G1 (EIF4G1 Products)
Background:	The protein encoded by this gene is a component of the multi-subunit protein complex EIF4F. This complex facilitates the recruitment of mRNA to the ribosome, which is a rate-limiting step during the initiation phase of protein synthesis. The recognition of the mRNA cap and the ATP- dependent unwinding of 5'-terminal secondary structure is catalyzed by factors in this complex. The subunit encoded by this gene is a large scaffolding protein that contains binding sites for other members of the EIF4F complex. A domain at its N-terminus can also interact with the poly(A)-binding protein, which may mediate the circularization of mRNA during translation. Alternative splicing results in multiple transcript variants, some of which are derived from alternative promoter usage,EIF4G1,EIF-4G1,EIF4F,EIF4G,EIF4GI,P220,PARK18,Epigenetics & Nuclear Signaling,RNA Binding,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Signal Transduction,PI3K-Akt Signaling Pathway,Immunology & Inflammation,Akt downstream targets,EIF4G1
Molecular Weight:	154 kDa/158 kDa/166 kDa/171 kDa/175 kDa/176 kDa
Gene ID:	1981
UniProt:	Q04637

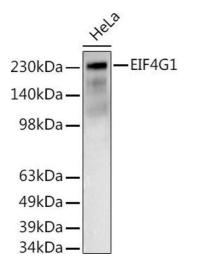
Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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Western Blotting

Image 1. Western blot analysis of extracts of HeLa cells, using EIF4G1 antibody (ABIN6134647, ABIN6140094, ABIN6140095 and ABIN6223456) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.

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