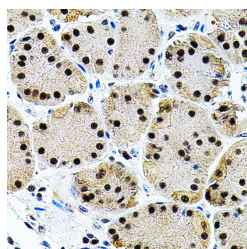


## EIF4G2 Polyclonal Antibody

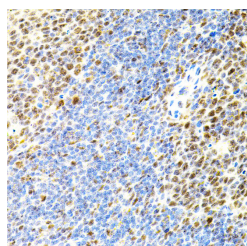
<b>Catalog No.</b>	E-AB-60796	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IHC	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry of paraffin-embedded Human stomach using EIF4G2 Polyclonal Antibody



Immunohistochemistry of paraffin-embedded Mouse spleen using EIF4G2 Polyclonal Antibody

### Immunogen Information

<b>Immunogen</b>	A synthetic peptide of human EIF4G2 (NP_001409.3).
<b>GeneID</b>	1982
<b>Swissprot</b>	P78344
<b>Synonyms</b>	EIF4G2,AAG1,DAP5,NAT1,P97

### Product Information

<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	IHC 1:100-1:200

### Background

Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of three subunits: eIF4A, eIF4E and eIF4G. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described.

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