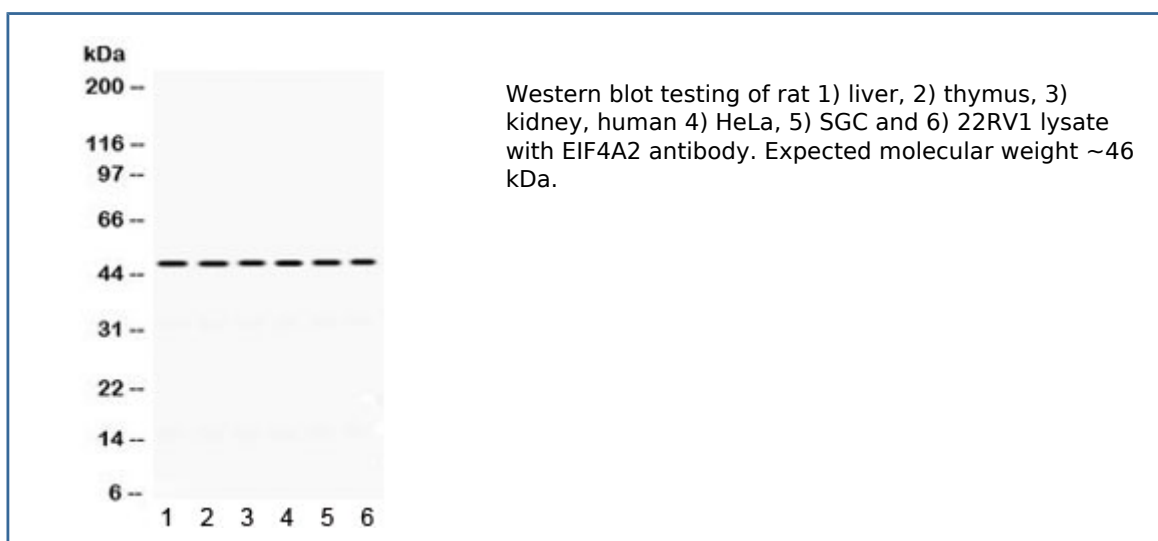


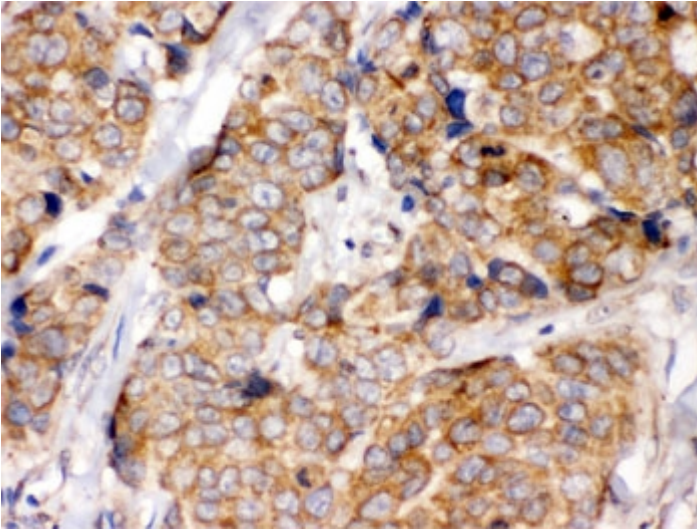
## EIF4A2 Antibody (R32226)

Catalog No.	Formulation	Size
R32226	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

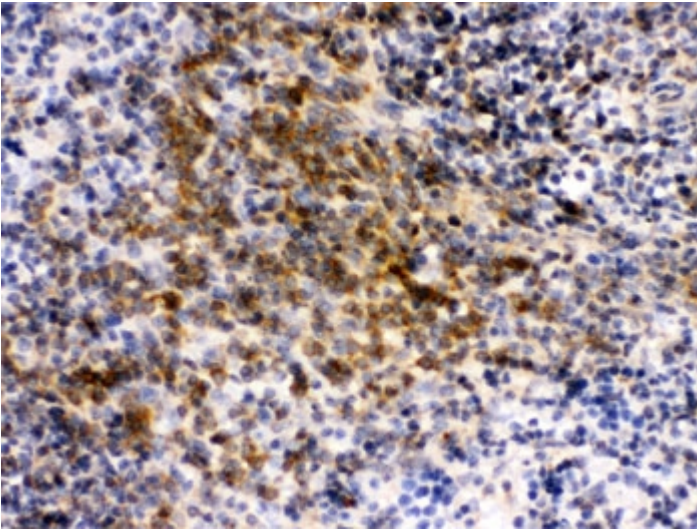
[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	Q14240
<b>Applications</b>	Western blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This EIF4A2 antibody is available for research use only.

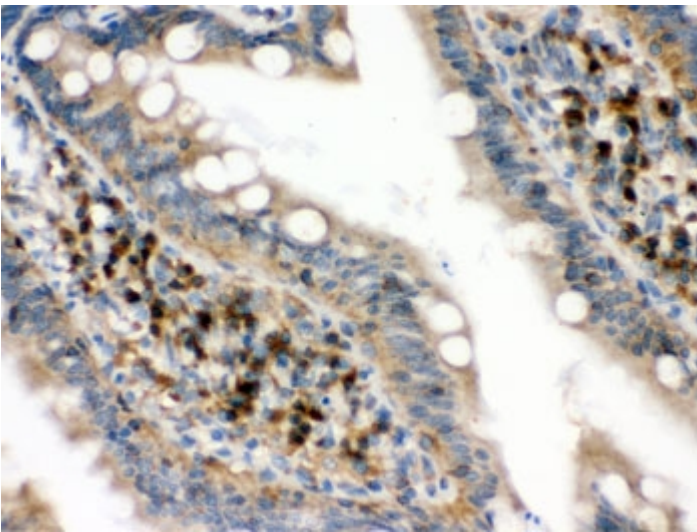




IHC testing of FFPE human breast cancer tissue with EIF4A2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE mouse spleen with EIF4A2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat intestine with EIF4A2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

## Description

Eukaryotic initiation factor 4A-II is a protein that in humans is encoded by the EIF4A2 gene. It is mapped to 18p11.2. Eukaryotic initiation factor 4A plays an important role in the binding of mRNA to the 43S preinitiation complex when protein synthesis begins. Two highly homologous forms of functional EIF4A genes, Eif4a1 and Eif4a2, have been isolated in mice; yeast cells also possess two EIF4A genes, TIF1 and TIF2. The murine Eif4a and yeast TIF genes appear to belong to a DEAD-box gene family, whose members exhibit extensive amino acid similarity and contain the asp-glu-ala-asp (DEAD) sequence. DEAD-box genes have been identified in species ranging from E-coli to humans. Their function appears to be related to transcriptional/translational regulation.

## Application Notes

Optimal dilution of the EIF4A2 antibody should be determined by the researcher.

## Immunogen

Amino acids SADYNREHGGPEGMDPDGVIESNWNEL of human EIF4A2 were used as the immunogen for the EIF4A2 antibody.

## Storage

After reconstitution, the EIF4A2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.