
Product Name: EIF2AK2 Mouse Monoclonal Antibody**Catalog #: AMM81375**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Mouse,Rat,Rabbit
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	62kDa

Antigen Information

Gene Name	EIF2AK2
Alternative Names	PKR; PRKR; EIF2AK1
Gene ID	5610.0
SwissProt ID	P19525
Immunogen	Purified recombinant fragment of human EIF2AK2 (AA: 329-551) expressed in E. Coli.

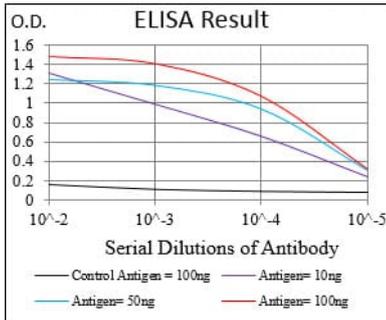
Background

The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two

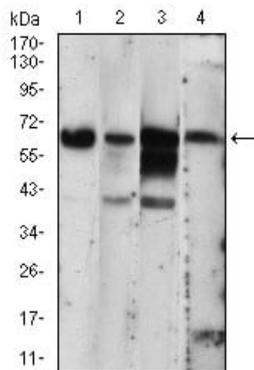
different isoforms have been found for this gene.

Research Area

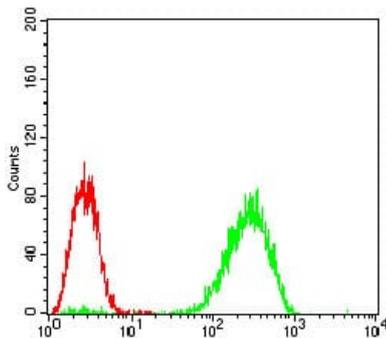
Image Data



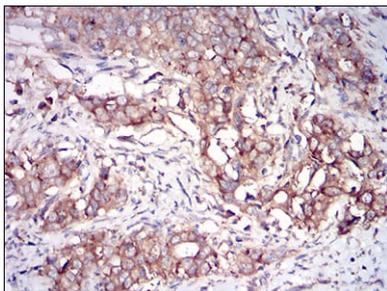
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



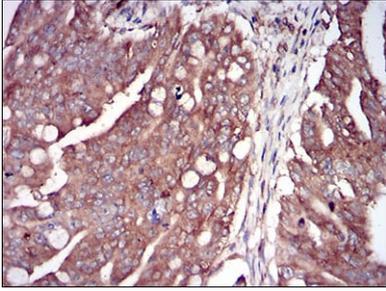
Western blot analysis using EIF2AK2 mouse mAb against A431 (1), THP-1 (2), MCF-7 (3), PC-12 (4) cell lysate.



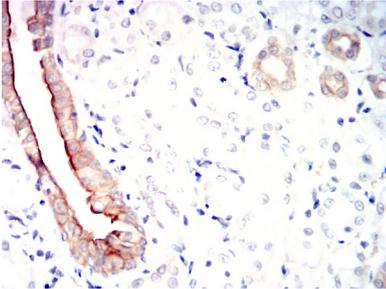
Flow cytometric analysis of A431 cells using EIF2AK2 mouse mAb (green) and negative control (red).



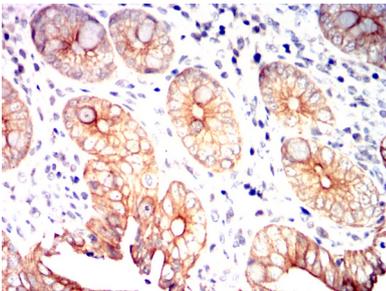
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using EIF2AK2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using EIF2AK2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit kidney using EIF2AK2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit rectum using EIF2AK2 mouse mAb with DAB staining.