BT LAB
Bioassay Technology Laboratory

Optimize Your Research

EIF2AK2 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4033
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human EIF2AK2 (AA: 329-551) expressed in E. Coli.
Mol wt	62kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	PKR;PRKR;EIF2AK1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

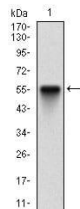## Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000
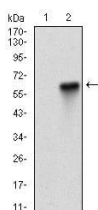
FCM: 1:200 - 1:400

ELISA: 1:10000

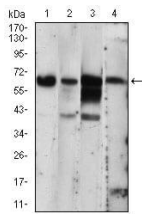Not yet tested in other applications.

Images

Western blot analysis using EIF2AK2 mAb against human EIF2AK2 (AA: 329-551) recombinant protein. (Expected MW is 51.7 kDa)
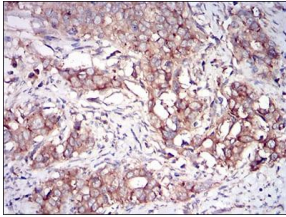

Western blot analysis using EIF2AK2 mAb against HEK293 (1) and EIF2AK2 (AA: 329-551)-hIgGFc transfected HEK293 (2) cell lysate.
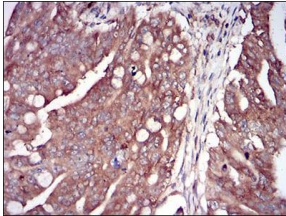
Western blot analysis using EIF2AK2 mouse mAb against A431 (1), THP-1 (2), MCF-7 (3), PC-12 (4) cell lysate.
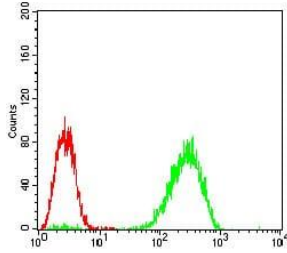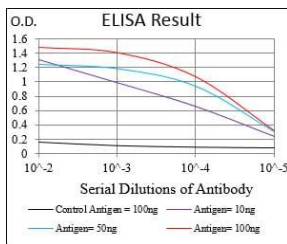

Flow cytometric analysis of A431 cells using EIF2AK2 mouse mAb (green) and negative control (red).

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

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

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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.