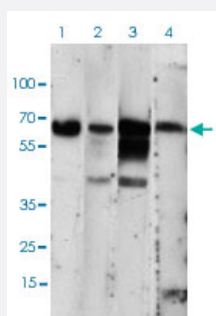


EIF2AK2 monoclonal antibody, clone 6H3A10

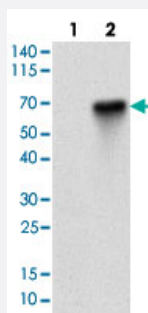
Catalog # MAB12238 Size 100 ug

Applications



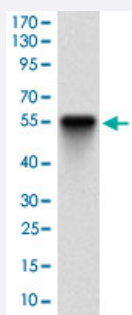
Western Blot (Cell lysate)

Western blot analysis of Lane 1: A431 cell lysate; Lane 2: THP-1 cell lysate; Lane 3: MCF-7 cell lysate; Lane 4: PC-12 cell lysate with EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:500-1:2000 dilution.



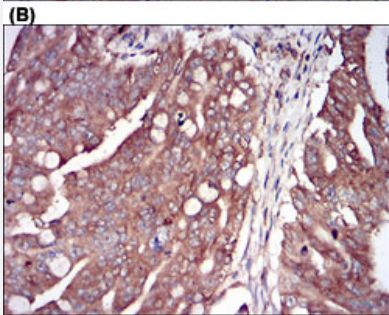
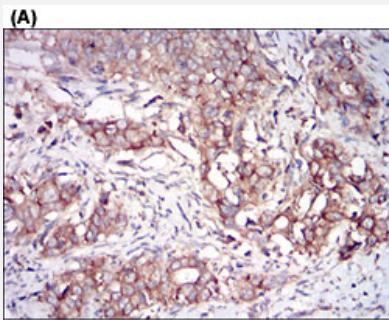
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control [HEK293 cell lysate]; Lane 2: Over-expression lysate [EIF2AK2 (AA: 329-551)-hlgGfc transfected HEK293 cells] with EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:500-1:2000 dilution.



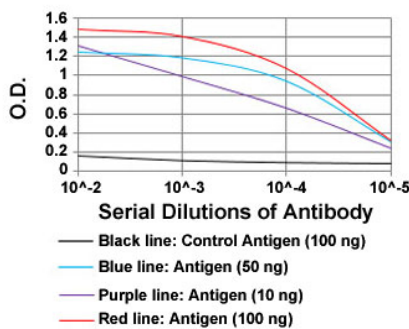
Western Blot (Recombinant protein)

Western blot analysis of human EIF2AK2 (AA: 329-551) recombinant protein (Expected MW is 51.7 kDa) with EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:500-1:2000 dilution.



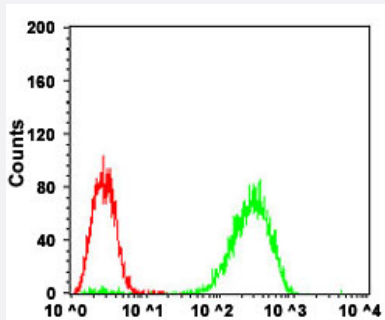
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cervical cancer tissues (A) and rectum cancer tissues (B) with EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:200-1:1000 dilution.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:10000 dilution.



Flow Cytometry

Flow cytometric analysis of A431 cells with EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:200-1:400 dilution (Green) and negative control (Red).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human EIF2AK2.
Immunogen	Recombinant protein corresponding to amino acids 329-551 of human EIF2AK2.
Host	Mouse
Theoretical MW (kDa)	62

Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunohistochemistry (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Western blot analysis of Lane 1: A431 cell lysate; Lane 2: THP-1 cell lysate; Lane 3: MCF-7 cell lysate; Lane 4: PC-12 cell lysate with EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:500-1:2000 dilution.

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Western blot analysis of Lane 1: Negative control [HEK293 cell lysate]; Lane 2: Over-expression lysate [EIF2AK2 (AA: 329-551)-hlgGfc transfected HEK293 cells] with EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:500-1:2000 dilution.

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Flow cytometric analysis of A431 cells with EIF2AK2 monoclonal antibody, clone 6H3A10 (Cat# MAB12238) at 1:200-1:400 dilution (Green) and negative control (Red).

Gene Info — EIF2AK2

Entrez GeneID	5610
Gene Name	EIF2AK2
Gene Alias	EIF2AK1, MGC126524, PKR, PRKR
Gene Description	eukaryotic translation initiation factor 2-alpha kinase 2
Omim ID	176871
Gene Ontology	Hyperlink
Gene Summary	interferon-inducible double stranded RNA dependent
Other Designations	OTTHUMP00000126954 double stranded RNA activated protein kinase interferon-inducible eIF2 alpha kinase protein kinase, interferon-inducible double stranded RNA dependent

Disease

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