For Research Use Only

EIF1AX Polyclonal antibody

Catalog Number:11649-2-AP 1 Publications

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Basic Information

Catalog Number:
11649-2-AP

Size:
150ul , Concentration: 147 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2248

GenBank Accession Number:
BC000793

GeneID (NCBI):
1964

UNIPROT ID:
P47813

Full Name:
eukaryotic translation initiation factor 1A, X-linked

Calculated MW:
16 kDa

Observed MW:
16 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:20-1:200
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF, IHC, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A375 cells, HeLa cells, HEK-293T cells, Jurkat cells

IHC : human gliomas tissue,

IF/ICC : HeLa cells,

Background Information

Eukaryotic translation initiation factor 1A, X-chromosome(EIF1AX), designated as to distinguish from the Y-linked homolog, has an unblocked N-terminal proline, which was consistent with the general pattern of eukaryotic protein. It's may be required for maximal rate of protein biosynthesis. Like EIF4C, it enhances ribosome dissociation into subunits and stabilizeds the binding of the initiator Met-tRNA(l) to 40S ribosomal subunits.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuhuan Li	32926483	Cell Prolif	WB,IHC

Storage

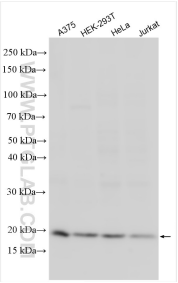
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

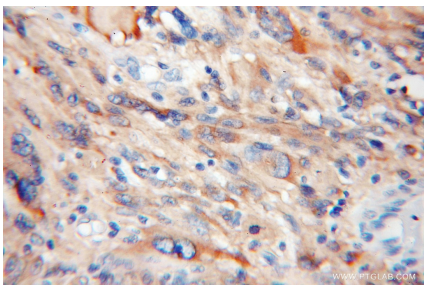
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

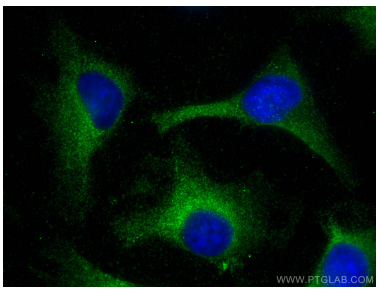
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11649-2-AP (EIF1AX antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11649-2-AP (EIF1AX antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using EIF1AX antibody (11649-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).