

For Research Use Only

KYNU Polyclonal antibody

Catalog Number: 11796-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 11796-1-AP	GenBank Accession Number: BC000879	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8942	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: kynureninase (L-kynurenine hydrolase)	
Isotype: IgG	Calculated MW: 465aa,52 kDa; 307aa,35 kDa	
Immunogen Catalog Number: AG2365	Observed MW: 45-52 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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 : HeLa cells, A549 cells, HepG2 cells, rat liver tissue

IHC : human breast cancer tissue,

IF : HepG2 cells, HeLa cells

Background Information

KYNU(kynureninase) is also named as L-kynurenine hydrolase and belongs to the kynureninase family. It is a pyridoxal-5'-phosphate-(pyridoxal-P)-dependent enzyme that catalyses the cleavage of L-kynurenine and L-3-hydroxykynurenine into anthranilic and 3-hydroxyanthranilic acids, respectively(PMID:8706755). In SDS-PAGE, it can detect a 48 kDa band lower than the predicted molecular weight of 52 kDa due to limited proteolysis of the enzyme which might occur during handling of the protein(PMID:8706755). This protein is a 95-kD homodimer predominantly located in the cytoplasm(PMID:9180257). It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
C Ci	31419330	Clin Exp Dermatol	WB
Yingying Song	35568375	Viol Sin	WB
Bo Wang	31115516	Mol Med Rep	WB

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

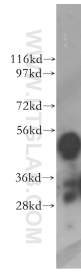
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

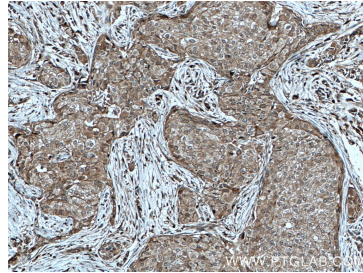
E: proteintech@ptglab.com
W: ptglab.com

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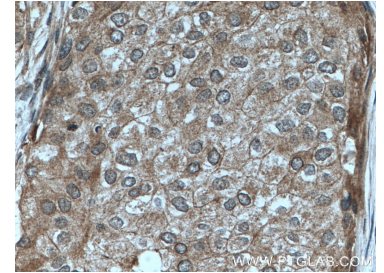
Selected Validation Data



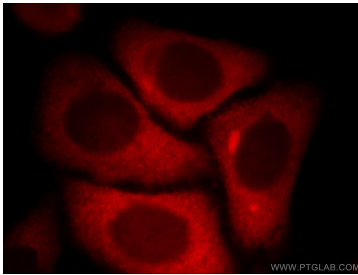
HeLa cells were subjected to SDS PAGE followed by western blot with 11796-1-AP (KYNU antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



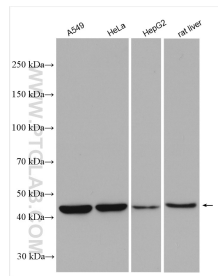
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11796-1-AP (KYNU antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



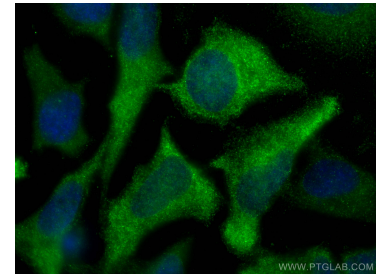
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11796-1-AP (KYNU antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using KYNU antibody 11796-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Various lysates were subjected to SDS PAGE followed by western blot with 11796-1-AP (KYNU antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using KYNU antibody (11796-1-AP) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).