

For Research Use Only

KYNU Recombinant antibody

Catalog Number: 86555-4-RR



Basic Information

Catalog Number:	86555-4-RR	GenBank Accession Number:	BC000879	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	8942	CloneNo.:	251437C8
Source:	Rabbit	UNIPROT ID:	Q16719	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
Isotype:	IgG	Full Name:	kynureninase (L-kynurenine hydrolase)		
Immunogen Catalog Number:	AG2365	Calculated MW:	465aa, 52 kDa; 307aa, 35 kDa		
		Observed MW:	45-52 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	WB: HeLa cells, HepG2 cells, A549 cells, THP-1 cells
Species Specificity:	human	IF/ICC:	A549 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)-depe11dent 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 preidicted molecular weight of 52 kDa due to limited proteolysis of the enzyme which might occur during handling of the protein(PMID:8706755).

Storage

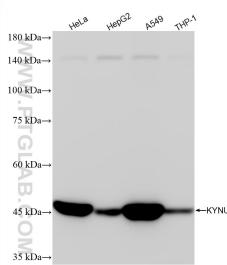
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

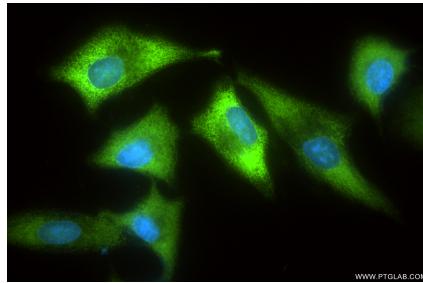
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86555-4-RR (KYNU antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using KYNU antibody (86555-4-RR, Clone: 251437C8) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).