

Rabbit anti-Human kynureninase/KYNU Monoclonal Antibody | anti-KYNU antibody

Recombinant Anti-kynureninase/KYNU Antibody, Rabbit Monoclonal

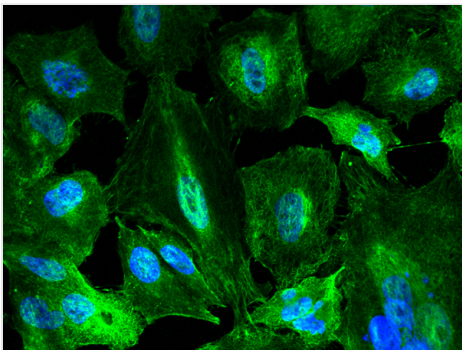
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255217	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

kynureninase/KYNU; Monoclonal Antibody; Recombinant Anti-kynureninase/KYNU Antibody; Rabbit Monoclonal; KYNU Antibody; Rabbit MAb; kynureninase; Anti-KYNUU Antibody; anti-KYNU antibody

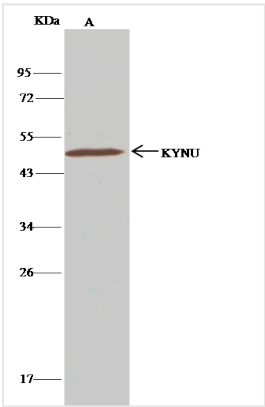
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	062
Specificity	Human KYNU
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-KYNU antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human KYNU Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human KYNU (rh KYNU).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



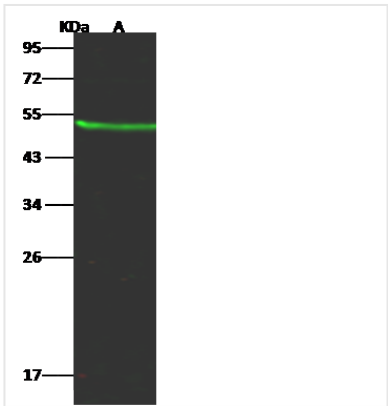
IF (Immunofluorescence)

Immunofluorescence staining of KYNU in A549 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human KYNU monoclonal antibody (dilution ratio 1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IP (Immunoprecipitation)

KYNU-HIS was immunoprecipitated using: Lane A: 0.5 mg A549 Whole Cell Lysate, 0.5 uL anti-KYNU-HIS rabbit monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-KYNU-HIS rabbit monoclonal antibody, at 1:500 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 52 kDa. Observed band size: 52 kDa.



WB (Western Blot)

Anti-KYNU rabbit monoclonal antibody at 1:500 dilution. Lane A: A549 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 52 kDa. Observed band size: 52 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-KYNU antibody	KYNU (Kynureninase) is a Protein Coding gene. KYNU is a pyridoxal-5'-phosphate (pyridoxal-P) dependent enzyme that catalyzes the cleavage of L-kynurenine and L-3-hydroxykynurenine into anthranilic and 3-hydroxyanthranilic acids, respectively. Genetic studies in the mouse and the human suggest that kynureninase activity may influence blood pressure and renal function. The gene coding kynureninase (KYNU) is also located on chromosome band 2q14-q23, where a linkage peak for essential hypertension was previously detected in the Chinese Han population. The results show that the rare KYNU variant Arg188Gln affects kynureninase activity and are consistent with the hypothesis that this mutation can predispose to essential hypertension. Diseases associated with KYNU include Hydroxykynureninuria and Vertebral, Cardiac, Renal, And Limb Defects Syndrome 2.
References	Lima S, et al. (2007) Crystal structure of Homo sapiens kynureninase. Biochemistry. 46(10): 2735-44. Momany C, et al. (2004) Three-dimensional structure of kynureninase from Pseudomonas fluorescens. Biochemistry. 43(5): 1193-203. Toma S, et al. (1997) Cloning and recombinant expression of rat and human kynureninase. FEBS Lett. 408(1): 5-10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312839880
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NCBI GeneID	8942
NCBI Accession #	NP_001186170
NCBI GenBank Nucleotide #	NM_001032998
UniProt Accession #	Q16719; Q6I9T2; Q9BVW3; B2RCZ5; D3DP79
Molecular Weight	34,635 Da
NCBI Official Full Name	kynureninase isoform a
NCBI Official Synonym Full Names	kynureninase
NCBI Official Symbol	KYNU
NCBI Official Synonym Symbols	KYNUU
NCBI Protein Information	kynureninase; KYNU; L-kynurenine hydrolase
UniProt Protein Name	Kynureninase
UniProt Gene Name	KYNU
UniProt Entry Name	KYNU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/kynureninase-kynu-antibody-clone-062-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/255217>