

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

Anti-kynureninase/KYNU Antibody, Rabbit Polyclonal

CATALOG # AAA255218	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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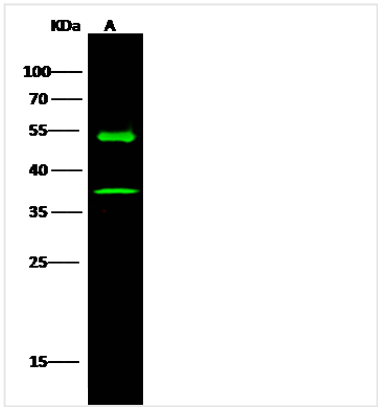
PRODUCT SYNONYMS

kynureninase/KYNU; Polyclonal Antibody; Anti-kynureninase/KYNU Antibody; Rabbit Polyclonal; KYNU Antibody; Rabbit PAb; Antigen Affinity Purified; kynureninase; Anti-KYNUU Antibody; anti-KYNU antibody

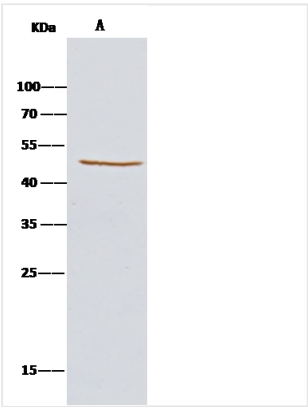
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human KYNU
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-KYNU antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human KYNU protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human KYNU (rh KYNU). KYNU specific IgG was purified by Human KYNU affinity chromatography.
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.

IMAGES



WB (Western Blot)
Anti-KYNU rabbit polyclonal antibody at 1:500 dilutionLane A: A549 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:52 kDaObserved band size:52 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)
KYNU was immunoprecipitated using:Lane A:0.5 mg A549 Whole Cell Lysate4 uL anti-KYNU rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-KYNU rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilutionDeveloped using the DAB staining technique.Performed under reducing conditions.Predicted band size: 52 kDaObserved 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
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

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/polyclonal/kynureninase-kynu-antibody-immunoprecipitation-western-blot-elisa/255218>