

KYNU Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6768b**Specification**

KYNU Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q16719
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52352
Antigen Region	359-386

KYNU Antibody (C-term) - Additional Information**Gene ID** 8942**Other Names**

Kynureninase {ECO:0000255|HAMAP-Rule:MF_03017}, 3713
{ECO:0000255|HAMAP-Rule:MF_03017}, L-kynurenine hydrolase
{ECO:0000255|HAMAP-Rule:MF_03017}, KYNU {ECO:0000255|HAMAP-Rule:MF_03017}

Target/Specificity

This KYNU antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 359-386 amino acids from the C-terminal region of human KYNU.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

KYNU Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KYNU Antibody (C-term) - Protein Information

Name KYNU {ECO:0000255|HAMAP-Rule:MF_03017, ECO:0000312|HGNC:HGNC:6469}

Function Catalyzes the cleavage of L-kynurenine (L-Kyn) and L-3- hydroxykynurenine (L-3OHKyn) into anthranilic acid (AA) and 3- hydroxyanthranilic acid (3-OHAA), respectively. Has a preference for the L-3-hydroxy form. Also has cysteine-conjugate-beta-lyase activity.

Cellular Location

Cytoplasm, cytosol {ECO:0000255|HAMAP- Rule:MF_03017, ECO:0000269|PubMed:8706755}

Tissue Location

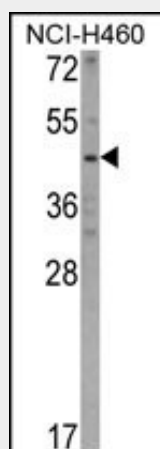
Expressed in all tissues tested (heart, brain placenta, lung, liver, skeletal muscle, kidney and pancreas). Highest levels found in placenta, liver and lung. Expressed in all brain regions.

KYNU Antibody (C-term) - Protocols

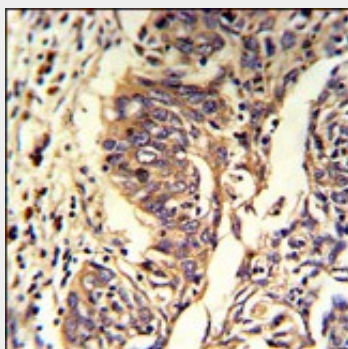
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

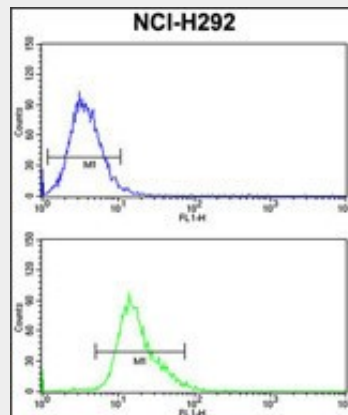
KYNU Antibody (C-term) - Images



Western blot analysis of KYNU Antibody (C-term) (Cat. #AP6768b) in NCI-H460 cell line lysates (35ug/lane). KYNU (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with KYNU Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



KYNU Antibody (C-term) (Cat. #AP6768b) flow cytometry analysis of NCI-H292 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KYNU Antibody (C-term) - Background

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. KYNU is involved in the biosynthesis of NAD cofactors from tryptophan through the kynurenine pathway.

KYNU Antibody (C-term) - References

Christensen, M., et al., J. Inherit. Metab. Dis. 30 (2), 248-255 (2007)