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KYNU Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6768b

Specification

KYNU Antibody (C-term) - Product Information

Application	**FC, IHC-P, WB,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
FC~~1:10~50
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

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}

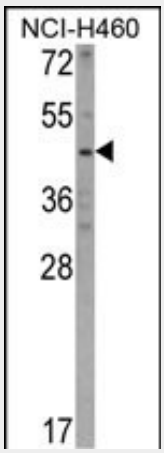
Tissue Location
Expressed in all tissues tested (heart, brain placenta, lung, liver, skeletal muscle, kidney and pancreas). Highest levels found in placenta, liver and lung. Expressed in all brain regions.

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 Cytomety
- 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.

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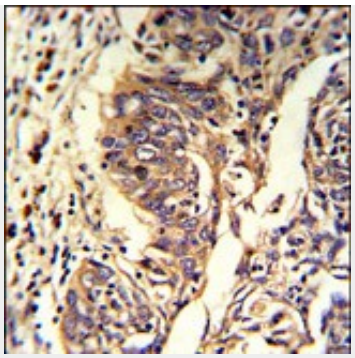
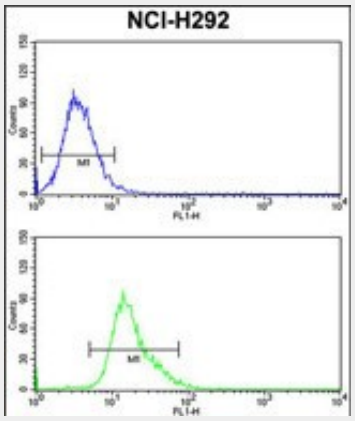


Formalin-fixed and paraffin-embedded human lung carcinoma reacted with KYNU Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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)