10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KYNU Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6768b

Specification

KYNU Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q16719

KYNU Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP6768b was selected from the C-term region of human KYNU. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KYNU Antibody (C-term) Blocking Peptide - 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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KYNU Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

KYNU Antibody (C-term) Blocking Peptide - Images

KYNU Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - References

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