

**KYNU Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6768b****Specification**

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**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](/products/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.

**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)