

**OPLAH Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7475a****Specification**

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**OPLAH Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O14841](#)**OPLAH Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 26873**Other Names**

5-oxoprolinase, 5-oxo-L-prolinase, 5-OPase, Pyroglutamase, OPLAH

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7475a](/products/AP7475a) was selected from the N-term region of human OPLAH. 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.

**OPLAH Antibody (N-term) Blocking Peptide - Protein Information****Name** OPLAH ([HGNC:8149](#))**Function**

Catalyzes the cleavage of 5-oxo-L-proline to form L-glutamate coupled to the hydrolysis of ATP to ADP and inorganic phosphate.

**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q75WB5}

**OPLAH Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **OPLAH Antibody (N-term) Blocking Peptide - Images**

#### **OPLAH Antibody (N-term) Blocking Peptide - Background**

OPLAH catalyzes the cleavage of 5-oxo-L-proline to form L-glutamate coupled to the hydrolysis of ATP to ADP and inorganic phosphate.  $\text{ATP} + 5\text{-oxo-L-proline} + 2 \text{H}_2\text{O} = \text{ADP} + \text{phosphate} + \text{L-glutamate}$ .

#### **OPLAH Antibody (N-term) Blocking Peptide - References**

Watanabe T., Abe K. Biol. Pharm. Bull. 27:288-294(2004) Bechtel S., Rosenfelder H. BMC Genomics 8:399-399(2007)