

OPLAH Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7475b**Specification**

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

Primary Accession [O14841](#)

OPLAH Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 26873

Other Names

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

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 (C-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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

OPLAH Antibody (C-term) Blocking Peptide - Images**OPLAH Antibody (C-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 (C-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)