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OPLAH Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7475a

Specification

OPLAH Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	O14841
Other Accession	P97608
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**137457**
Antigen Region	**1-30**

OPLAH Antibody (N-term) - Additional Information

Gene ID 26873

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

Target/Specificity
This OPLAH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human OPLAH.

Dilution
WB~~1:1000
IHC-P~~1:50~100

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
OPLAH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OPLAH Antibody (N-term) - 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.

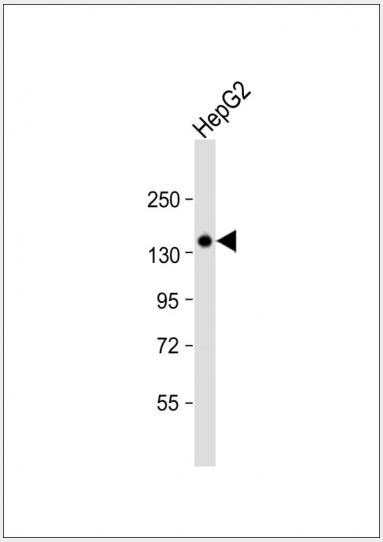
Cellular Location
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q75WB5}

OPLAH Antibody (N-term) - Protocols

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

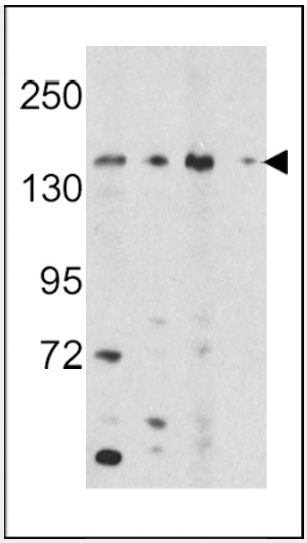
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

OPLAH Antibody (N-term) - Images

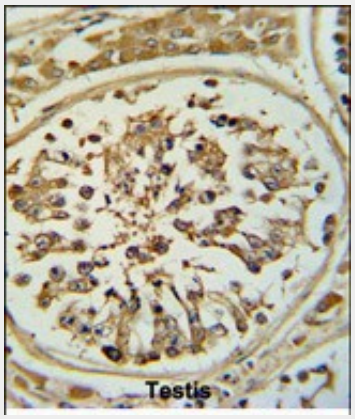


Anti-OPLAH Antibody (N-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 137 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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Western blot analysis of OPLAH Antibody (N-term) (Cat.#AP7475a) in K562, HepG2 cell line lysates and mouse bladder, liver tissue lysates (35ug/lane). OPLAH (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with OPLAH Antibody (N-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.

OPLAH Antibody (N-term) - 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.
ATP + 5-oxo-L-proline + 2 H2O = ADP + phosphate + L-glutamate.

OPLAH Antibody (N-term) - References

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