

Rabbit OPLAH Polyclonal Antibody | anti-OPLAH antibody

OPLAH Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287780	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Immunohistochemistry, ELISA, Western Blot

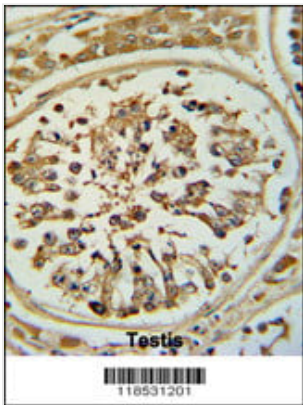
PRODUCT SYNONYMS

OPLAH; Polyclonal Antibody; OPLAH Antibody (N-term); 5-oxoprolinase; 5-oxo-L-prolinase; 5-OPase; Pyroglutamase; anti-OPLAH antibody

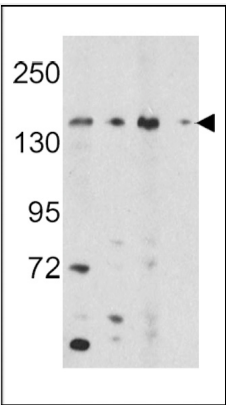
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	1,288
Applicable Applications for anti-OPLAH antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-OPLAH antibody	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.
Product Categories/Family for anti-OPLAH antibody	Metabolism; Signal Transduction
References	Watanabe T., Abe K.Biol. Pharm. Bull. 27:288-294(2004) Bechtel S., Rosenfelder H.BMC Genomics 8:399-399(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	48314820
NCBI GeneID	26873
NCBI Accession #	NP_060040.1
NCBI GenBank Nucleotide #	NM_017570.4
UniProt Accession #	O14841; Q75W65; Q9Y4Q0; A5PKY8
Molecular Weight	137457
NCBI Official Full Name	5-oxoprolinase
NCBI Official Synonym Full Names	5-oxoprolinase (ATP-hydrolysing)
NCBI Official Symbol	OPLAH
NCBI Official Synonym Symbols	OPLA; OPLAHD; 5-Opase
NCBI Protein Information	5-oxoprolinase
UniProt Protein Name	5-oxoprolinase
UniProt Gene Name	OPLAH
UniProt Synonym Gene Names	5-OPase
UniProt Entry Name	OPLA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/oplah-antibody-immunohistochemistry-western-blot-elisa/287780>