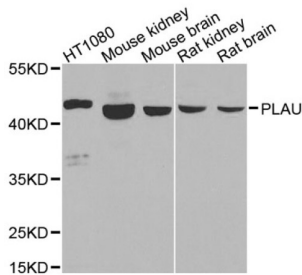


## Urokinase-Type Plasminogen Activator (PLAU) Antibody

Catalogue No.: abx001793



Western blot analysis of extracts of various cell lines, using PLAU antibody (abx001793) at 1/1000 dilution.

PLAU Antibody is a Rabbit Polyclonal antibody against PLAU. This gene encodes a serine protease involved in degradation of the extracellular matrix and possibly tumor cell migration and proliferation. A specific polymorphism in this gene may be associated with late-onset Alzheimer's disease and also with decreased affinity for fibrin-binding. This protein converts plasminogen to plasmin by specific cleavage of an Arg-Val bond in plasminogen. Plasmin in turn cleaves this protein at a Lys-Ile bond to form a two-chain derivative in which a single disulfide bond connects the amino-terminal A-chain to the catalytically active, carboxy-terminal B-chain. This two-chain derivative is also called HMW-uPA (high molecular weight uPA). HMW-uPA can be further processed into LMW-uPA (low molecular weight uPA) by cleavage of chain A into a short chain A (A1) and an amino-terminal fragment. LMW-uPA is proteolytically active but does not bind to the uPA receptor. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

<b>Target:</b>	Urokinase-Type Plasminogen Activator (PLAU)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 20-180 of human PLAU.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 2.0.0  
Revision date: 17 Sep 2024



**UniProt Primary AC:** P00749 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PLAU

**GeneID:** [5328](#)

**NCBI Accession:** NP\_002649.1

**KEGG:** hsa:5328

**String:** [9606.ENSP00000361850](#)

**Molecular Weight:** Calculated MW: 49 kDa  
Observed MW: 49 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** > 0.2 mg/ml

**Note:** This product is for research use only.

For Reference Only