

**HUMAN-UMPS(Y37) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20830b**

**Specification**

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**HUMAN-UMPS(Y37) Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P11172</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52222

**HUMAN-UMPS(Y37) Antibody - Additional Information**

**Gene ID** 7372

**Other Names**

Uridine 5'-monophosphate synthase, UMP synthase, Orotate phosphoribosyltransferase, OPRT, OPRTase, Orotidine 5'-phosphate decarboxylase, ODC, OMPdecase, UMPS

**Target/Specificity**

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 30-70 amino acids from human.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

HUMAN-UMPS(Y37) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**HUMAN-UMPS(Y37) Antibody - Protein Information**

**Name** UMPS ([HGNC:12563](#))

**Function** Bifunctional enzyme catalyzing the last two steps of de novo pyrimidine biosynthesis, orotate phosphoribosyltransferase (OPRT), which converts orotate to orotidine-5'-monophosphate (OMP), and orotidine-5'-monophosphate decarboxylase (ODC), the terminal enzymatic reaction

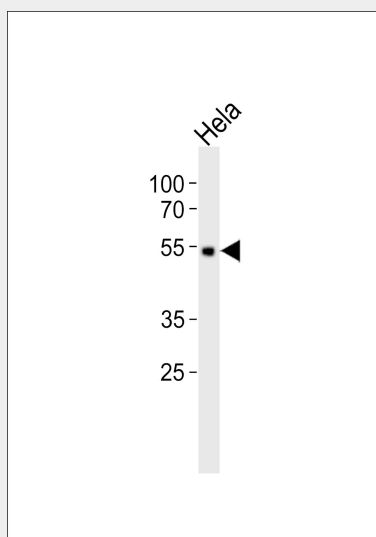
that decarboxylates OMP to uridine monophosphate (UMP).

### HUMAN-UMPS(Y37) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HUMAN-UMPS(Y37) Antibody - Images



Western blot analysis of lysate from HeLa cell line, using Phospho-HUMAN-UMPS(Y37). ctrl(Cat. #AP20830b). AP20830b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.

### HUMAN-UMPS(Y37) Antibody - References

- Suttle D.P.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:1754-1758(1988).  
Suchi M.,et al.Adv. Exp. Med. Biol. 253A:511-518(1989).  
Suchi M.,et al.Am. J. Hum. Genet. 60:525-539(1997).  
Griffith M.,et al.Submitted (JUL-2008) to the EMBL/GenBank/DDBJ databases.  
Shichijo S.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.