

# HUMAN-UMPS(Y37) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20830b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P11172</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB47355
<b>Calculated MW</b>	52222

## Additional Information

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<b>Gene ID</b>	7372
<b>Other Names</b>	Uridine 5'-monophosphate synthase, UMP synthase, Orotate phosphoribosyltransferase, OPRT, OPRTase, Orotidine 5'-phosphate decarboxylase, ODC, OMPdecase, UMPS
<b>Target/Specificity</b>	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 30-70 amino acids from human.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	HUMAN-UMPS(Y37) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	UMPS ( <a href="#">HGNC:12563</a> )
<b>Function</b>	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).

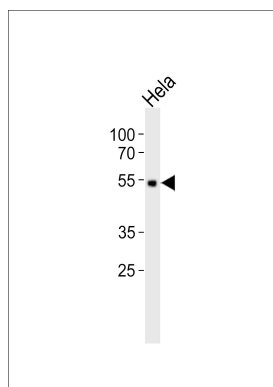
## References

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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.

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.