10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# HUMAN-UMPS(Y37) Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20830b

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P11172 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB47355 |
| **Calculated MW** | 52222 |

## Additional Information

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| **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 E~~Use at an assay dependent concentration. |
| **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. |

## Protein Information

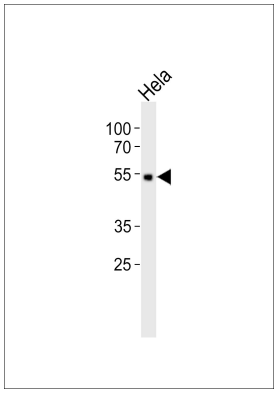
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|---|---|
| **Name** | UMPS ( HGNC:12563) |
| **Function** | Bifunctional enzyme catalyzing the last two steps of de novo pyrimidine biosynthesis, orotate phosphoribosyltransferase (OPRT), which converts orotate to orotidine-5'-monophosphate (OMP), and orotidine-5'-monophosphate decarboxylase (ODC), the terminal enzymatic |

reaction that decarboxylates OMP to uridine monophosphate (UMP).

## 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.

## 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.

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