

## Rabbit Uridine Monophosphate Synthetase Polyclonal Antibody | anti-UMPS antibody

Uridine Monophosphate Synthetase (UMPS) Polyclonal Antibody

|                               |                       |                                        |                                                                                       |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA145309</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse, Human, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

Uridine Monophosphate Synthetase; Polyclonal Antibody; Uridine Monophosphate Synthetase (UMPS) Polyclonal Antibody; OPRT; Orotate Phosphoribosyl Transferase; Orotidine-5'-Decarboxylase; Orotate phosphoribosyltransferase; Orotidine 5'-phosphate decarboxylase; anti-UMPS antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                                     | Mouse, Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificity                                    | The antibody is a rabbit polyclonal antibody raised against UMPS. It has been selected for its ability to recognize UMPS in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                       |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                    | Supplied as solution form in PBS, pH7.4 containing 0.02% NaN <sub>3</sub> , 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                            |
| Concentration                                  | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length                                | 480                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-UMPS antibody | ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunoglobulin Type                            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Conjugate                                      | No Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cross Reactivity                               | Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Organism Species                               | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Fragment                                       | UMPS (Glu311~Gln481)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Quality Control                                | Content: The quality control contains recombinant UMPS (Glu311~Gln481) disposed in loading buffer.<br>Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.<br>5uL per well when used in enhanced chemilumescient (ECL).<br>Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.<br>Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN <sub>3</sub> 0.02%. |
| Conjugated Antibody                            | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                        | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                        |

IMAGES



IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Mouse Kidney Tissue



WB (Western Blot)  
Western Blot: Sample: Recombinant protein.



IHC (Immunohistochemisry)  
DAB staining on fromalin fixed paraffin- embedded Kidney tissue



WB (Western Blot)  
Western Blot: Sample: Rat Kidney lysate; Primary Ab: 1ug/ml Rabbit Anti-Mouse UMPS Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 33859498                                    |
| NCBI GeneID                      | 22247                                       |
| NCBI Accession #                 | NP_033497.1                                 |
| NCBI GenBank Nucleotide #        | NM_009471.3                                 |
| UniProt Accession #              | P13439; Q99L26                              |
| Molecular Weight                 | 52,292 Da                                   |
| NCBI Official Full Name          | uridine 5'-monophosphate synthase isoform 1 |
| NCBI Official Synonym Full Names | uridine monophosphate synthetase            |
| NCBI Official Symbol             | Umps                                        |
| NCBI Official Synonym Symbols    | AA408257; AL033308; BB164745; 1700095D23Rik |
| NCBI Protein Information         | uridine 5'-monophosphate synthase           |
| UniProt Protein Name             | Uridine 5'-monophosphate synthase           |
| UniProt Gene Name                | Umps                                        |
| UniProt Synonym Gene Names       | UMP synthase; OPRTase                       |

**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.