

## ARG59578 anti-HPD antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes HPD   |
| Tested Reactivity   | Hu, Ms, Rat   |
| Tested Application  | IHC-P, WB   |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | HPD   |
| Species             | Human   |
| Immunogen           | Recombinant fusion protein corresponding to aa. 1-393 of Human HPD (NP_002141.1).   |
| Conjugation         | Un-conjugated   |
| Alternate Names     | 4-hydroxyphenylpyruvic acid oxidase; 4-HPPD; HPPDase; HPPDASE; PPD; EC 1.13.11.27; GLOD3; 4-hydroxyphenylpyruvate dioxygenase; 4HPPD; HPD |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | IHC-P  | 1:50 - 1:200   |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | Rat kidney, Mouse kidney and HL-60   |                |
| Observed Size     | 45 kDa   |                |

### Properties

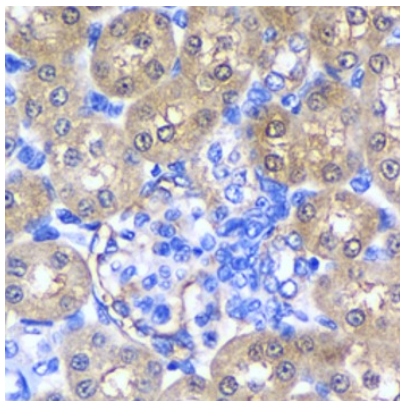
|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

## Bioinformation

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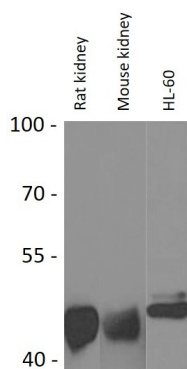
|                |  |
|----------------|--|
| Gene Symbol    | HPD  |
| Gene Full Name | 4-hydroxyphenylpyruvate dioxygenase  |
| Background     | The protein encoded by this gene is an enzyme in the catabolic pathway of tyrosine. The encoded protein catalyzes the conversion of 4-hydroxyphenylpyruvate to homogentisate. Defects in this gene are a cause of tyrosinemia type 3 (TYRO3) and hawkinsinuria (HAWK). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010] |
| Function       | Key enzyme in the degradation of tyrosine. [UniProt]   |
| Calculated Mw  | 45 kDa   |

## Images



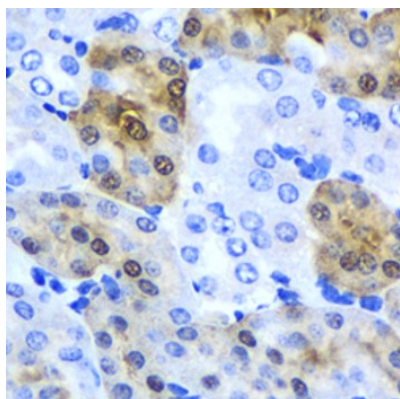
ARG59578 anti-HPD antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney stained with ARG59578 anti-HPD antibody at 1:100 dilution.



ARG59578 anti-HPD antibody WB image

Western blot: 25 µg of Rat kidney, Mouse kidney and HL-60 cell lysates stained with ARG59578 anti-HPD antibody at 1:1000 dilution.



ARG59578 anti-HPD antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney stained with ARG59578 anti-HPD antibody at 1:100 dilution.