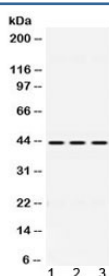


## DHODH Antibody / Dihydroorotate dehydrogenase (R32524)

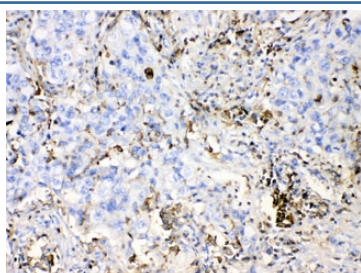
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R32524      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

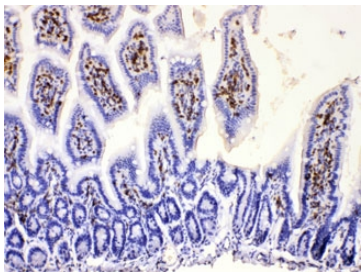
|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                             |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                             |
| <b>Format</b>             | Antigen affinity purified                                     |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                    |
| <b>Isotype</b>            | Rabbit IgG                                                    |
| <b>Purity</b>             | Antigen affinity                                              |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| <b>UniProt</b>            | Q02127                                                        |
| <b>Localization</b>       | Cytoplasmic, nuclear                                          |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 1-2ug/ml            |
| <b>Limitations</b>        | This DHODH antibody is available for research use only.       |



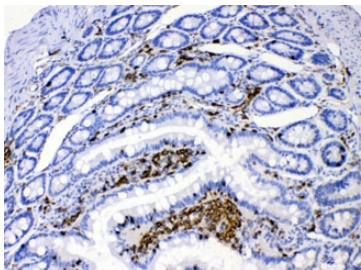
Western blot testing of 1) rat liver, 2) mouse spleen and 3) human HepG2 lysate with DHODH antibody at 0.5ug/ml. Predicted/observed molecular weight ~43 kDa.



IHC testing of FFPE human lung cancer tissue with DHODH antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



IHC testing of FFPE mouse intestine with DHODH antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



IHC testing of FFPE rat intestine with DHODH antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.

## Description

Dihydroorotate dehydrogenase is an enzyme that in humans is encoded by the DHODH gene on chromosome 16. The protein encoded by this gene catalyzes the fourth enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis. This protein is a mitochondrial protein located on the outer surface of the inner mitochondrial membrane.

## Application Notes

Differences in protocols and secondary/substrate sensitivity may require the DHODH antibody to be titrated for optimal performance.

## Immunogen

Amino acids 132-173 (RVFRLPEDQAVINRYGFNSHGLSVVEHRLRARQQKQAKLTED) from the human protein were used as the immunogen for the DHODH antibody.

## Storage

After reconstitution, the DHODH antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.