

## Datasheet for 600-401-DG3

# OGFOD1 Antibody

### Overview

|                      |   |
|----------------------|---|
| <b>Description:</b>  | Anti-OGFOD1 (RABBIT) Antibody - 600-401-DG3 |
| <b>Item No.:</b>     | 600-401-DG3                                 |
| <b>Size:</b>         | 100 µg                                      |
| <b>Applications:</b> | ELISA, IF, WB                               |
| <b>Reactivity:</b>   | Human, Mouse                                |
| <b>Host Species:</b> | Rabbit                                      |

### Product Details

|                      |  |
|----------------------|--|
| <b>Background:</b>   | OGFOD1, a member of the 2-OG-Fe(II) dioxygenase family, plays an important role in ischemic survival and stress. It is an oxidoreductase containing a Prolyl 4-hydroxylase alpha subunit. An OGFOD1 iron binding residue is required for ATPAF1 gene expression. As a novel stress granule component, OGFOD1 plays important proapoptotic roles in the regulation of translation and HRI-mediated phosphorylation of eIF2alpha in cells. |
| <b>Synonyms:</b>     | OGFOD1 Antibody, TPA1, KIAA1612, TPA1, 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1, Termination and polyadenylation 1 homolog  |
| <b>Host Species:</b> | Rabbit   |
| <b>Clonality:</b>    | Polyclonal   |
| <b>Format:</b>       | IgG  |

### Target Details

|                        |  |
|------------------------|--|
| <b>Gene Name:</b>      | OGFOD1   |
| <b>Reactivity:</b>     | Human, Mouse   |
| <b>Immunogen Type:</b> | Conjugated Peptide   |
| <b>Immunogen:</b>      | Anti-OGFOD1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid synthetic peptide near the C-terminus of human OGFOD1. |

**Purity/Specificity:** Anti-OGFOD1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. OGFOD1 antibody is predicted to not cross-react with other TPA1 protein family members. At least two isoforms are known to exist; this antibody will only detect the larger isoform.

**Relevant Links:**

- [UniProtKB - Q8N543](#)
- [GeneID - 55239](#)
- [NCBI - NP\\_060703](#)

## Application Details

**Tested Applications:** ELISA, IF, WB

**Application Note:** Anti-OGFOD1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 63 kDa in Western Blots of specific cell lysates and tissues.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:10,000

**IF:** 20 µg/mL

**WB:** 1 µg/mL

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 1 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

**Preservative:** 0.02% (w/v) Sodium Azide

**Stabilizer:** None

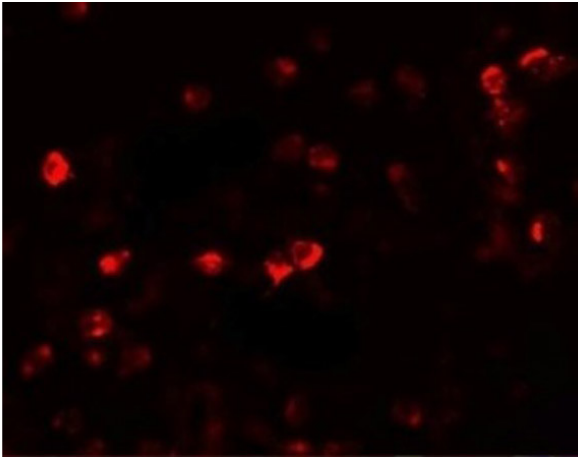
## Shipping & Handling

**Shipping Condition:** Dry Ice

**Storage Condition:** Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images

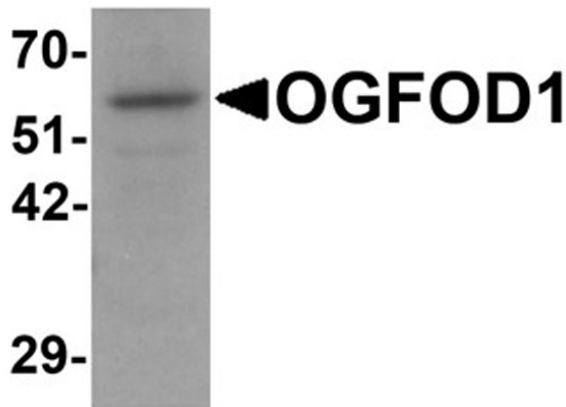


### Immunofluorescence Microscopy

Immunofluorescence of OGFOD1.

Cell: Daudi cells.

Primary Antibody: OGFOD1 antibody at 20 µg/mL.



### Western Blot

Western blot analysis of OGFOD1.

Load: Daudi cell lysate.

Primary Antibody: OGFOD1 antibody at 1 µg/mL.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.