

Anti-Prolyl 3-hydroxylase OGFOD1 OGFOD1 Antibody

Catalog Number: A09074

About OGFOD1

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.

Overview

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|----------------------|---|
| Product Name | Anti-Prolyl 3-hydroxylase OGFOD1 OGFOD1 Antibody |
| Reactive Species | Human, Mouse |
| Description | Boster Bio Anti-Prolyl 3-hydroxylase OGFOD1 OGFOD1 Antibody (Catalog # A09074). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse. |
| Application | ELISA, IF, WB |
| Clonality | Polyclonal |
| Formulation | OGFOD1 Antibody is supplied in PBS containing 0.02% sodium azide. |
| Storage Instructions | OGFOD1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | Q8N543 |

Technical Details

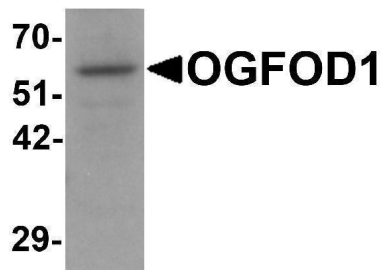
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| Immunogen | OGFOD1 antibody was raised against a 18 amino acid synthetic peptide near the carboxy terminus of human OGFOD1. The immunogen is located within the first 50 amino acids of OGFOD1. |
| Predicted Reactive Species | Bovine |
| Cross Reactivity | 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. |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | OGFOD1 Antibody is affinity chromatography purified via peptide column. |

Suggested Dilutions

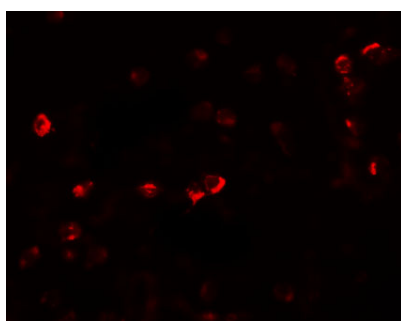
OGFOD1 antibody can be used for detection of OGFOD1 by Western blot at 1 ug/mL. Antibody can also be used for immunofluorescence starting at 20 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Prolyl 3-hydroxylase OGFOD1 OGFOD1 Antibody (A09074) Images



Western blot analysis of OGFOD1 in Daudi cell lysate with OGFOD1 antibody at 1 ug/mL.



Immunofluorescence of OGFOD1 in Daudi cells with OGFOD1 antibody at 20 ug/mL.

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