

Rabbit anti-Human, Mouse OGFOD1 Polyclonal Antibody | anti-OGFOD1 antibody

OGFOD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40263	Rabbit	Human, Mouse	Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

OGFOD1; Polyclonal Antibody; OGFOD1 Antibody; TPA1; KIAA1612; 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1; Termination and polyadenylation 1 homolog; 2-oxoglutarate and iron-dependent oxygenase domain containing 1; anti-OGFOD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	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 isform.
Purity/Purification	OGFOD1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	542
Applicable Applications for anti-OGFOD1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	OGFOD1 antibody was raised against a 18 amino acid synthetic peptide near the carboxy terminus of human OGFOD1.
Buffer	OGFOD1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	OGFOD1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-OGFOD1 antibody	OGFOD1 Antibody: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94536836
NCBI GeneID	55239
NCBI Accession #	NP_060703
NCBI GenBank Nucleotide #	NM_018233.3
UniProt Accession #	Q8N543; Q9H7U5; Q9H9J9; Q9HA87; Q9HCG0; Q9NVB6; H3BUQ2
Molecular Weight	46,861 Da
NCBI Official Full Name	prolyl 3-hydroxylase OGFOD1
NCBI Official Synonym Full Names	2-oxoglutarate and iron-dependent oxygenase domain containing 1
NCBI Official Symbol	OGFOD1
NCBI Official Synonym Symbols	TPA1
NCBI Protein Information	prolyl 3-hydroxylase OGFOD1; termination and polyadenylation 1 homolog; TPA1, termination and polyadenylation 1, homolog; 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1
UniProt Protein Name	Prolyl 3-hydroxylase OGFOD1
UniProt Gene Name	OGFOD1
UniProt Synonym Gene Names	KIAA1612; TPA1
UniProt Entry Name	OGFD1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ogfod1-antibody-immunofluorescence-western-blot-elisa/40263>