

OGFOD2 Antibody
Catalog # ASC11280**Specification**

OGFOD2 Antibody - Product Information

Application	WB
Primary Accession	Q6N063
Other Accession	NP_078899 , 13375846
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	OGFOD2 antibody can be used for detection of OGFOD2 by Western blot at 1 µg/mL.

OGFOD2 Antibody - Additional InformationGene ID **79676****Target/Specificity**

OGFOD2; OGFOD2 antibody is predicted to not cross-react with other TPA1 protein family members. At least three isoforms are known to exist; this antibody will only detect the two larger isoforms.

Reconstitution & Storage

OGFOD2 antibody can be stored at 4°C for three months and -20°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.

Precautions

OGFOD2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

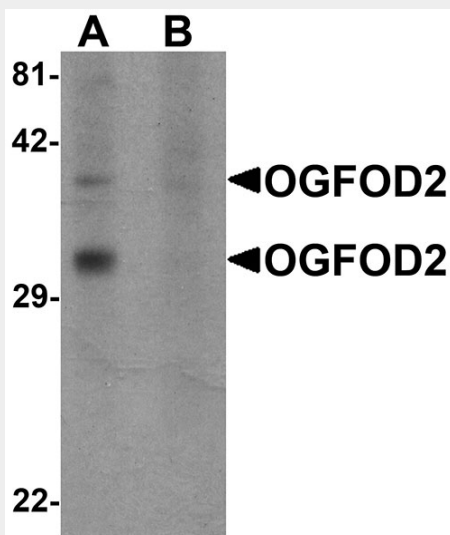
OGFOD2 Antibody - Protein Information**Name** OGFOD2**OGFOD2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

OGFOD2 Antibody - Images



Western blot analysis of OGFOD2 in 293 cell lysate with OGFOD2 antibody at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.

OGFOD2 Antibody - Background

OGFOD2 Antibody: OGFOD2 is a member of the 2-OG-Fe(II) dioxygenase family which plays an important role in ischemic survival and stress. Like the related protein OGFOD1, OGFOD2 is an oxidoreductase containing a Prolyl 4-hydroxylase alpha subunit. Little is known about the function of OGFOD2, but its similarity to OGFOD1 suggests that it is a novel stress granule component that may play an important proapoptotic role in the regulation of translation and HRI-mediated phosphorylation of eIF2alpha in cells.

OGFOD2 Antibody - References

Saito K, Adachi N, Koyama H et al. OGFOD1, a member of the 2-oxoglutarate and iron dependent dioxygenase family, functions in ischemic signaling. *FEBS Lett.* 2010; 584:3340-7.
Wehner KA, Schutz S and Sarnow P. OGFOD1, a novel modulator of eukaryotic translation initiation factor 2alpha phosphorylation and the cellular response to stress. *Mol. Cell. Biol.* 2010; 30:2006-16.
Marina O, Hainz U, Biernacki MA, et al. Serologic markers of effective tumor immunity against chronic lymphocytic leukemia include nonmutated B-cell antigens. *Cancer Res.* 2010; 70:1344-55.