

**OGFOD2 Antibody**  
**Catalog # ASC11280****Specification**

---

**OGFOD2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q6N063</a>
Other Accession	<a href="#">NP_078899</a> , <a href="#">13375846</a>
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 Information**Gene 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.

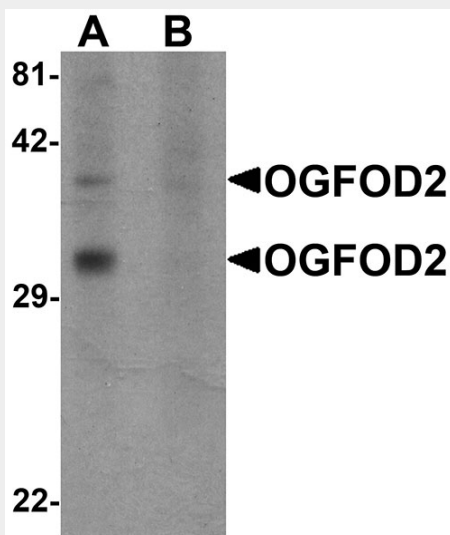
**OGFOD2 Antibody - Protein Information****Name** OGFOD2**OGFOD2 Antibody - Protocols**

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  $\mu$ 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.