

OGFOD2 Polyclonal Antibody

Catalog NumberPA5-21102

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution * 1 µg/mL
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	A 17 amino acid peptide near the center of human OGFOD2.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is 293 cell lysate. PA5-21102 can be used with blocking peptide PEP-1216.

Background/Target Information

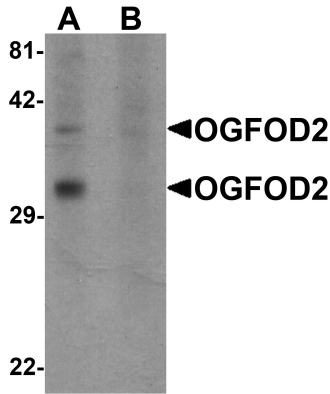
OGFOD2 is a member of the 2-OG-Fe(II) dioxygenase family which plays an important role in ischemic survival and stress. Like the related protein OGFOD1, OGFOD2 is an oxidoreductase containing a Prolyl 4-hydroxylase alpha subunit. Little is known about the function of OGFOD2, but its similarity to OGFOD1 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.

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**OGFOD2 Antibody (PA5-21102) in WB**  
Western Blot analysis of OGFOD2 in 293 cell lysate with OGFOD2 Polyclonal Antibody (Product # PA5-21102) at 1  $\mu$ g/mL in (A) the absence and (B) the presence of blocking peptide.

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