

# Product Datasheet

## OGFOD1 Antibody - BSA Free

### NBP1-83826

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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#### Publications: 4

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**NBP1-83826**

OGFOD1 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

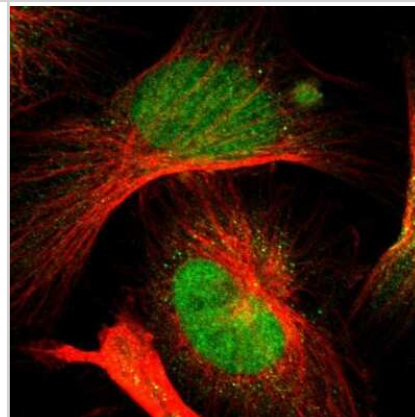
Product Description	
<b>Description</b>	Novus Biologicals Rabbit OGFOD1 Antibody - BSA Free (NBP1-83826) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-OGFOD1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	55239
<b>Gene Symbol</b>	OGFOD1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: EPENNQMAISNNSQQSNEQTDPEPEENETKKESSVPMCQGELRHWKTGHYT LIHDHKAFAFDLILYCGCEGWEPEYGGFTSYIAKGEDEELLTVNPESNSLALV YRDRETLKFVKHINHRSLQKKTFFPNRTGFWDFFS

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

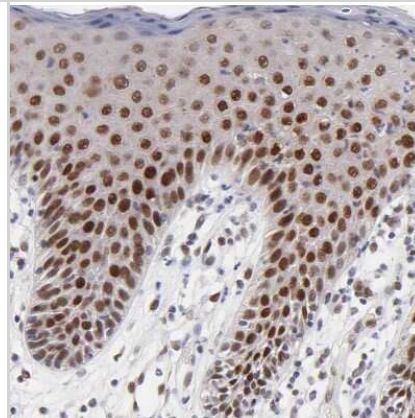


## Images

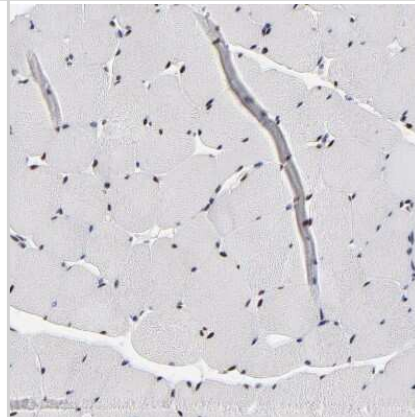
Immunocytochemistry/Immunofluorescence: OGFOD1 Antibody [NBP1-83826] - Staining of human cell line U-251 MG shows localization to nucleus & cytosol. Antibody staining is shown in green.



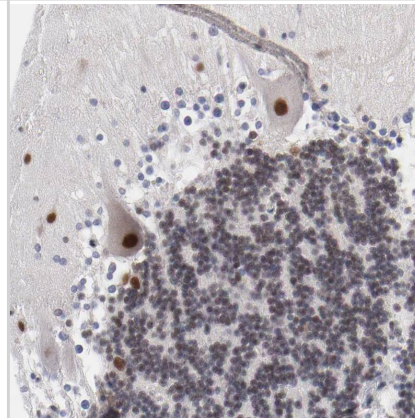
Immunohistochemistry-Paraffin: OGFOD1 Antibody [NBP1-83826] - Staining of human skin shows strong nuclear positivity in squamous epithelial cells.



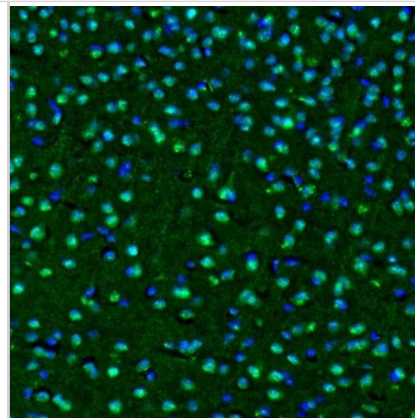
Immunohistochemistry-Paraffin: OGFOD1 Antibody [NBP1-83826] - Staining of human skeletal muscle shows moderate to strong nuclear positivity in myocytes.



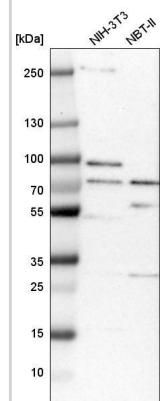
Staining of human cerebellum shows strong nuclear positivity in Purkinje cells.



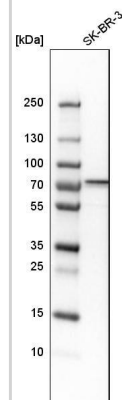
Immunofluorescence staining of mouse brain shows strong nuclear and cytoplasmic positivity in neurons.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Analysis in human cell line SK-BR-3.



## Publications

Kim JH, Lee SM, Lee JH et al. OGFOD1 is required for breast cancer cell proliferation and is associated with poor prognosis in breast cancer. *Oncotarget* 2015-08-14 [PMID: 25909288] (IF/IHC, ICC/IF, Human)

Loenarz C, Sekirnik R, Thalhammer A et al. Hydroxylation of the eukaryotic ribosomal decoding center affects translational accuracy. *Proc Natl Acad Sci U S A* 2014-03-18 [PMID: 24550462]

Wehner KA, Schutz S, Sarnow P. OGFOD1, a novel modulator of eukaryotic translation initiation factor 2 alpha phosphorylation and the cellular response to stress. *Mol Cell Biol* 2010-04-01 [PMID: 20154146]

Mulder J, Bjorling E, Jonasson K et al. Tissue Profiling of the Mammalian Central Nervous System Using Human Antibody-based Proteomics. *Mol Cell Proteomics* 2009-07-01 [PMID: 19351664]



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### **Products Related to NBP1-83826**

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NBP1-83826PEP	OGFOD1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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