

Rabbit OGFOD3 Polyclonal Antibody | anti-OGFOD3 antibody

Anti-OGFOD3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127860	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

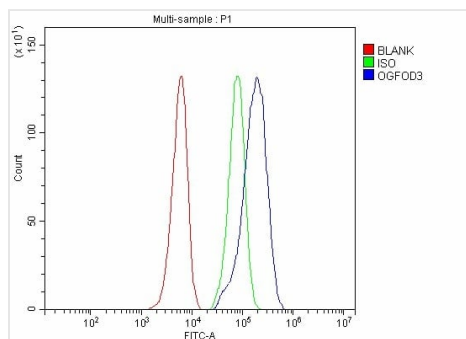
PRODUCT SYNONYMS

OGFOD3; Polyclonal Antibody; Anti-OGFOD3 Antibody Picoband; anti-OGFOD3 antibody

PRODUCT SPECIFICATIONS

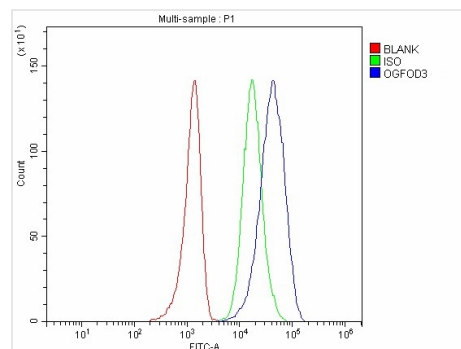
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-OGFOD3 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human OGFOD3 recombinant protein (Position: D67-H311). Human OGFOD3 shares 92.2% and 90.6% amino acid (aa) sequence identity with mouse and rat OGFOD3, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



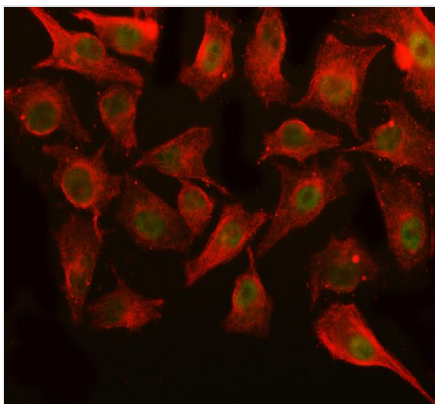
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of SiHa cells using anti-OGFOD3 antibody (AAA127860). Overlay histogram showing SiHa cells stained with AAA127860 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-OGFOD3 Antibody (AAA127860, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



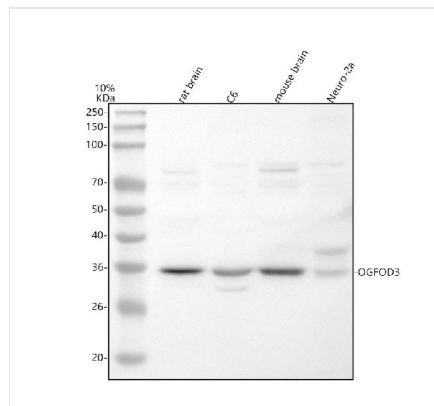
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of MOLT-4 cells using anti-OGFOD3 antibody (AAA127860). Overlay histogram showing MOLT-4 cells stained with AAA127860 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-OGFOD3 Antibody (AAA127860, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of OGFOD3 using anti-OGFOD3 antibody (AAA127860) and anti-Beta Tubulin antibody (M01857-3). OGFOD3 was detected in immunocytochemical section of A549 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-OGFOD3 Antibody (AAA127860) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG and DyLight594 Conjugated Goat Anti-Mouse IgG (BA1141) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of OGFOD3 using anti-OGFOD3 antibody (AAA127860). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat C6 whole cell lysates, Lane 3: mouse brain tissue lysates, Lane 4: mouse Neuro-2a whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-OGFOD3 antigen affinity purified polyclonal antibody (#AAA127860) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for OGFOD3 at approximately 36 kDa. The expected band size for OGFOD3 is at 36 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-OGFOD3 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-OGFOD3 antibody	Primary Antibodies
References	- Wang, S., Singh, S. K., Katika, M. R., Lopez-Aviles, S., & Hurtado, A. (2018). High throughput chemical screening reveals multiple regulatory proteins on FOXA1 in breast cancer cell lines. <i>International Journal of Molecular Sciences</i>, 19(12), 4123. - Maio, N., Kim, K. S., Singh, A., & Rouault, T. A. (2017). A single adaptable cochaperone-scaffold complex delivers nascent iron-sulfur clusters to mammalian respiratory chain complexes I-III. <i>Cell metabolism</i>, 25(4), 945-953. - Liu, X., Salokas, K., Tamene, F., Jiu, Y., Weldatsadik, R. G., Öhman, T., & Varjosalo, M. (2018). An AP-MS-and BioID-compatible MAC-tag enables comprehensive mapping of protein interactions and subcellular localizations. <i>Nature communications</i>, 9(1), 1188.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13375891
NCBI GeneID	79701
NCBI Accession #	NP_078924.1
NCBI GenBank Nucleotide #	NM_024648.2
UniProt Accession #	Q6PK18 ; Q8IZ37 ; Q9H6J2 ; C9JDC8
Molecular Weight	36,635 Da
NCBI Official Full Name	2-oxoglutarate and iron-dependent oxygenase domain-containing protein 3 isoform 1
NCBI Official Synonym Full Names	2-oxoglutarate and iron dependent oxygenase domain containing 3
NCBI Official Symbol	OGFOD3

NCBI Official Synonym Symbols	C17orf101
NCBI Protein Information	2-oxoglutarate and iron-dependent oxygenase domain-containing protein 3
UniProt Protein Name	2-oxoglutarate and iron-dependent oxygenase domain-containing protein 3
UniProt Gene Name	OGFOD3
UniProt Synonym Gene Names	C17orf101

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/ogfod3-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127860>