

Rabbit anti-Mouse Ogfr Polyclonal Antibody | anti-Ogfr antibody

Anti-Ogfr Antibody Picoband

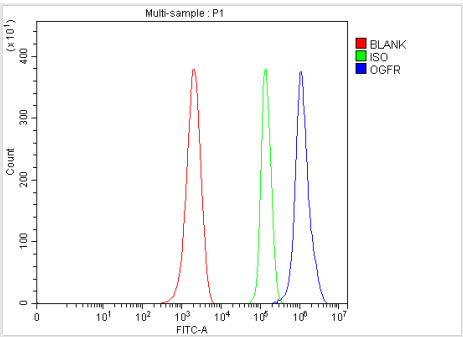
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127350	Rabbit	Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Ogfr; Polyclonal Antibody; Anti-Ogfr Antibody Picoband; AP-2 complex subunit mu; ELAV like RNA binding protein 2; ELAV-like protein 2; ELAV-like neuronal protein 1; Hu-antigen B; HuB; Nervous system-specific RNA-binding protein Hel-N1; ELAVL2; HUB; anti-Ogfr antibody

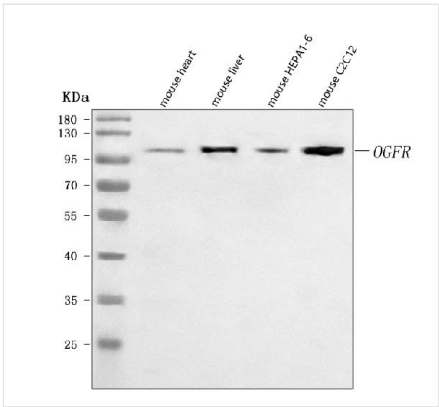
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Brain; neural-specific.
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-Ogfr antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived mouse Ogfr recombinant protein (Position: H217-K427).
Subcellular Localization	Cytoplasm, Nucleus, Cytoplasm
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Binds RNA. Seems to recognize a GAAA motif. Can bind to its own 3'-UTR, the FOS 3'-UTR and the ID 3'-UTR.
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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of ANA-1 cells using anti-Ogfr antibody (AAA127350).Overlay histogram showing ANA-1 cells stained with AAA127350 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Ogfr Antibody (AAA127350, 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.



WB (Western Blot)

Figure 1. Western blot analysis of Ogfr using anti-Ogfr antibody (AAA127350).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: mouse heart tissue lysates,Lane 2: mouse liver tissue lysates,Lane 3: mouse HEPA1-6 whole cell lysates,Lane 4: mouse C2C12 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-Ogfr antigen affinity purified polyclonal antibody (#AAA127350) 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 Ogfr at approximately 110 kDa. The expected band size for Ogfr is at 73 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Ogfr 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-Ogfr antibody	Primary Antibodies; DNA/RNA; Epigenetics and Nuclear Signaling; RNA Processing
References	1. Zagon, I. S., Verderame, M. F., Allen, S. S., McLaughlin, P. J. Cloning, sequencing, chromosomal location, and function of cDNAs encoding an opioid growth factor receptor (OGFr) in humans. Brain Res. 856: 75-83, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	258679484
NCBI GeneID	72075
NCBI Accession #	NP_113550.3
NCBI GenBank Nucleotide #	NM_031373.3
UniProt Accession #	Q99PG2; Q99L33; A2ACT6
Molecular Weight	70,679 Da
NCBI Official Full Name	opioid growth factor receptor
NCBI Official Synonym Full Names	opioid growth factor receptor
NCBI Official Symbol	Ogfr
NCBI Official Synonym Symbols	2010013E17Rik
NCBI Protein Information	opioid growth factor receptor; zeta-type opioid receptor

UniProt Protein Name	Opioid growth factor receptor
UniProt Gene Name	Ogfr
UniProt Synonym Gene Names	OGFr
UniProt Entry Name	OGFR_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ogfr-antibody-flow-cytometry-western-blot-elisa/127350>