

## Rabbit anti-Human OGFR Polyclonal Antibody | anti-OGFR antibody

Anti-OGFR Antibody, Rabbit Polyclonal

|                               |                       |                            |                                                          |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------------|
| CATALOG #<br><b>AAA255104</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunoprecipitation, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------------|

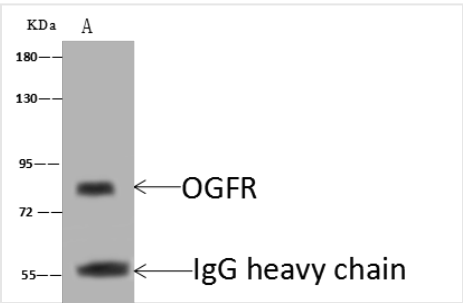
### PRODUCT SYNONYMS

OGFR; Polyclonal Antibody; Anti-OGFR Antibody; Rabbit Polyclonal; OGFR Antibody; Rabbit PAb; Antigen Affinity Purified; opioid growth factor receptor; anti-OGFR antibody

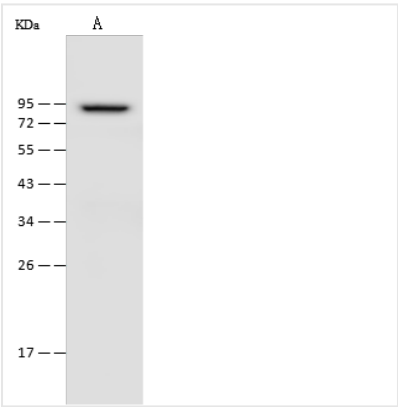
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                    | Human OGFR                                                                                                                                                                                                                                                            |
| Purity/Purification                            | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-OGFR antibody | IP (Immunoprecipitation), WB (Western Blot)                                                                                                                                                                                                                           |
| Immunogen                                      | A synthetic peptide corresponding to the center region of the Human OGFR                                                                                                                                                                                              |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                    | Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human OGFR, and purified by antigen affinity chromatography.                                                                                                         |
| Preparation and Storage                        | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



**IP (Immunoprecipitation)**  
OGFR was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-OGFR rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-OGFR rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 73 kDa Observed band size :90 kDa



**WB (Western Blot)**  
Anti-OGFR rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 73 kDa

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-OGFR antibody | Opioid growth factor receptor (OGFR) is a receptor for [Met(5)]-enkephalin and plays important role in the regulation of cell growth and embryonic development. Opioid growth factor receptor (OGFr) facilitates growth inhibition in the presence of its specific ligand opioid growth factor (OGF), chemically termed [Met(5)]-enkephalin. The function of the OGF-OGFr axis requires the receptor to translocate to the nucleus. The opioid growth factor (OGF)-OGFr receptors (OGFr) axis plays an important role in the homeostasis and re-epithelialization of the mammalian cornea. This tonically active growth regulatory inhibitory pathway is involved in cell replication, and the endogenous neuropeptide OGF targets cyclin-dependent kinase inhibitors, p16 and/or p21. The opioid growth factor receptor (OGFr) mediates the inhibitory action of OGF on cell replication of normal and neoplastic cells. |
| References                                         | Thakur NA, et al. (2016) Antagonism of the met5-enkephalin-opioid growth factor receptor-signaling axis promotes msc to differentiate into osteoblasts. J Orthop Res 34 (7): 1195-1205. McLaughlin PJ, et al. (2010) Diabetic keratopathy and treatment by modulation of the opioid growth factor (ogf)-ogf receptor (ogfr) axis with naltrexone: A review. Brain Res Bull 81 (2-3): 236-247. Kren NP, et al. (2016) Featured article: Nuclear export of opioid growth factor receptor is crm1 dependent. Exp Biol Med (Maywood) 241 (3): 273-281. Guo Y, et al. (2013) An opioid growth factor receptor (ogfr) for [met5]-enkephalin in chlamys farreri. Fish Shellfish Immunol 34 (5): 1228-1235.                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| NCBI GI #                        | 33286446                                                                             |
| NCBI GeneID                      | 11054                                                                                |
| NCBI Accession #                 | NP_031372.2                                                                          |
| NCBI GenBank Nucleotide #        | NM_007346.2                                                                          |
| UniProt Accession #              | Q9NZT2; O96029; Q4VXW5; Q96CM2; Q9BQW1; Q9H4H0; Q9H7J5; Q9NZT3; Q9NZT4               |
| Molecular Weight                 | 73,325 Da                                                                            |
| NCBI Official Full Name          | opioid growth factor receptor                                                        |
| NCBI Official Synonym Full Names | opioid growth factor receptor                                                        |
| NCBI Official Symbol             | OGFR                                                                                 |
| NCBI Protein Information         | opioid growth factor receptor; 7-60 protein; protein 7-60; zeta-type opioid receptor |
| UniProt Protein Name             | Opioid growth factor receptor                                                        |
| UniProt Gene Name                | OGFR                                                                                 |

|                            |            |
|----------------------------|------------|
| UniProt Synonym Gene Names | OGFr       |
| UniProt Entry Name         | OGFR_HUMAN |

**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-immunoprecipitation-western-blot-elisa/255104>