

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

OGFR Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA324927 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

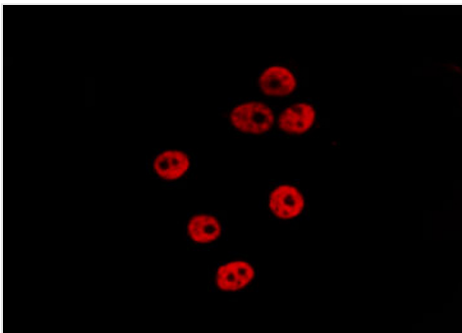
### PRODUCT SYNONYMS

OGFR; Polyclonal Antibody; OGFR Antibody; 7 60 protein; HGNC:15768; Met enkephalin receptor; OGF<sub>r</sub>; OGFR\_HUMAN; Opioid growth factor receptor; Protein 7-60; Zeta type opioid receptor; Zeta-type opioid receptor; anti-OGFR antibody

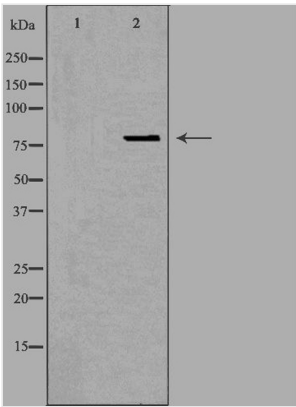
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                 |
| Reactivity                                     | Human                                                                                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                                                                             |
| Isotype                                        | IgG                                                                                                                                                                                    |
| Specificity                                    | OGFR antibody detects endogenous levels of total OGFR                                                                                                                                  |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                                          |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                          |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                                                                                 |
| Sequence Length                                | 677                                                                                                                                                                                    |
| Applicable Applications for anti-OGFR antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                                           |
| Immunogen                                      | A synthesized peptide                                                                                                                                                                  |
| Subcellular Location                           | Cytoplasm. Nucleus. The OGF/OGFR complex is probably translocated to the nucleus.                                                                                                      |
| Tissue Specificity                             | Highly expressed in the heart and liver, moderately in skeletal muscle and kidney and to a lesser extent in brain and pancreas. Expressed in fetal tissues including liver and kidney. |
| Conjugation                                    | Unconjugated                                                                                                                                                                           |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                                      |

IMAGES



**IF (Immunofluorescence)**  
AAA324927 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from HeLa cells using OGFR antibody., The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-OGFR antibody | Function: Receptor for opioid growth factor (OGF), also known as Met-enkephalin. Seems to be involved in growth regulation.<br>Similarity: Belongs to the opioid growth factor receptor family. |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 33286446                                                               |
| NCBI GeneID                      | 11054                                                                  |
| NCBI Accession #                 | NP_031372.2                                                            |
| NCBI GenBank Nucleotide #        | NM_007346.3                                                            |
| UniProt Accession #              | Q9NZT2; O96029; Q4VXW5; Q96CM2; Q9BQW1; Q9H4H0; Q9H7J5; Q9NZT3; Q9NZT4 |
| Molecular Weight                 | Observed: 80 kD<br>Predicted: 74 kDa                                   |
| 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                                          |
| UniProt Protein Name             | Opioid growth factor receptor                                          |
| UniProt Gene Name                | OGFR                                                                   |
| UniProt Synonym Gene Names       | OGFr                                                                   |

**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.