## UK Office

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# EB07082 - Goat Anti-OGFR Antibody

Size: 100µg specific antibody in 200µl

## Target Protein

**Principal Names:** OGFR, opioid growth factor receptor, HGNC:15768, 7-60 protein, zeta-type opioid receptor, met-enkephalin receptor
**Official Symbol:** OGFR
**Accession Number(s):** NP_031372.2
**Human GeneID(s):** 11054

## Immunogen

Peptide with sequence C-QDAEVESSAKSGK, from the C Terminus of the protein sequence according to NP_031372.2.

Please note the peptide is available for sale.

## Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

## Applications Tested

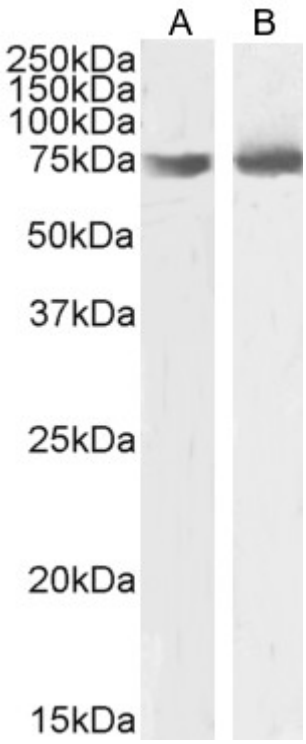
**Peptide ELISA:** antibody detection limit dilution 1:4000.
**Western blot:** Approx 75kDa band observed in nuclear cell lysates of HEK293 and A431 (calculated MW of 73.3kDa according to NP_031372.2) Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the nuclei of A431 and U2OS cells. Recommended concentration: 10µg/ml.

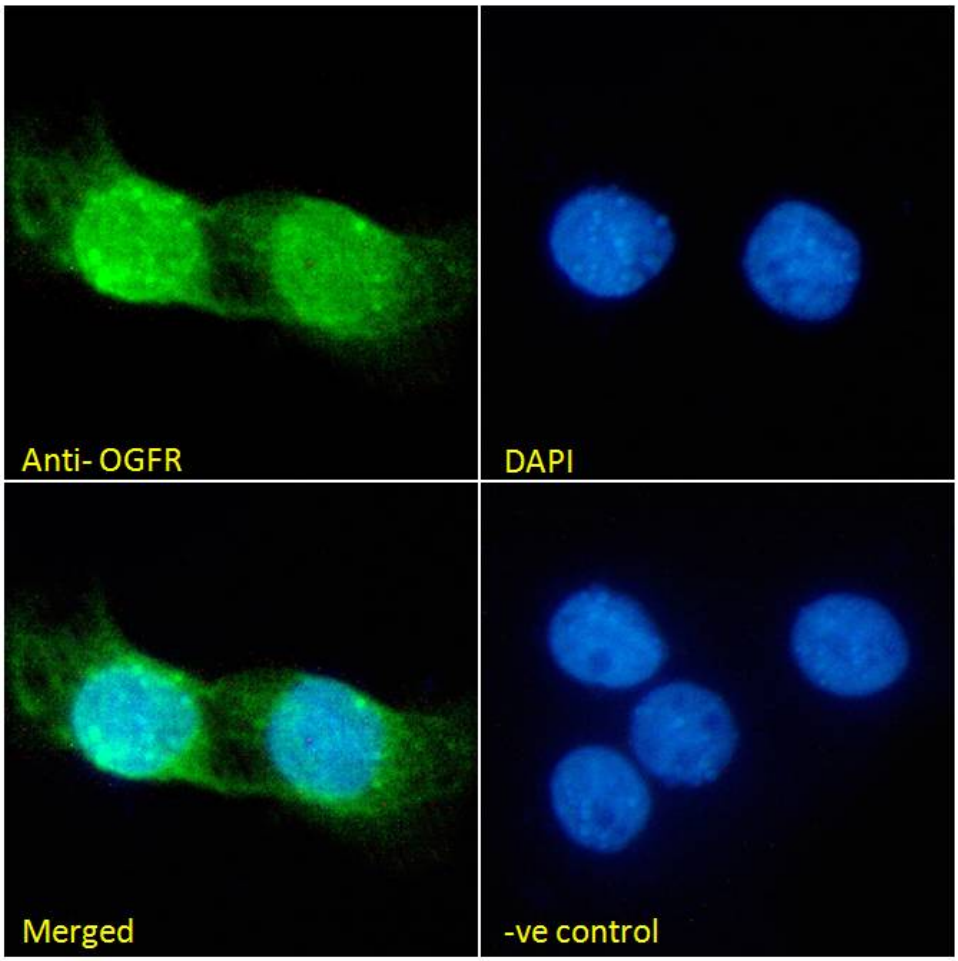
**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

## Species Reactivity

**Tested:** Human
**Expected from sequence similarity:** Human

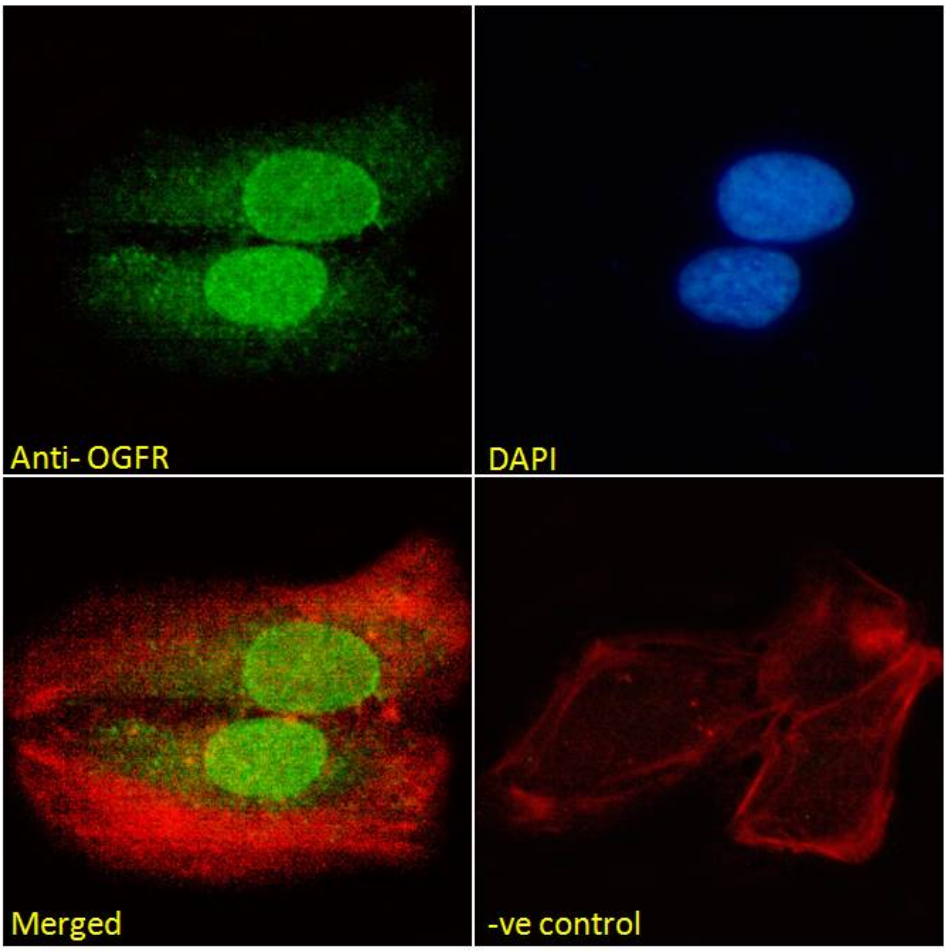



EB07082 (2µg/ml) staining of HEK293 (A),and A431 (B) nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

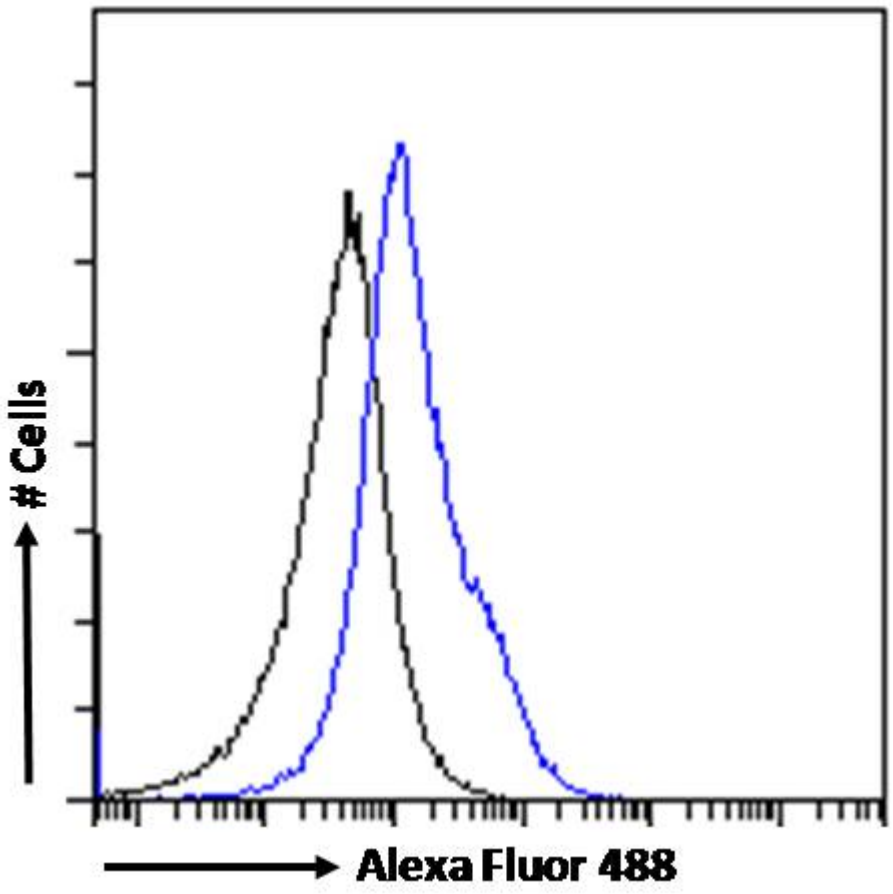



EB07082 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear

staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).




EB07082 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).




EB07082 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.