UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

EB07201 - Goat Anti-CXCR3 / GPR9 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: CXCR3, chemokine (C-X-C motif) receptor 3, HGNC:4540, CD183, CKR-L2, CMKAR3, GPR9, IP10, IP10-R, Mig-R, MigR, G protein-coupled receptor 9, IP10 receptor, Mig receptor, chemokine (C-X-C) receptor 3
Official Symbol: CXCR3
Accession Number(s): NP_001495.1; NP_001136269.1
Human GeneID(s): 2833
Non-Human GeneID(s): 12766 (mouse), 84475 (rat)

Immunogen

Peptide with sequence C-RRDSSWSETSEA, from the C Terminus of the protein sequence according to NP_001495.1; NP_001136269.1.

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

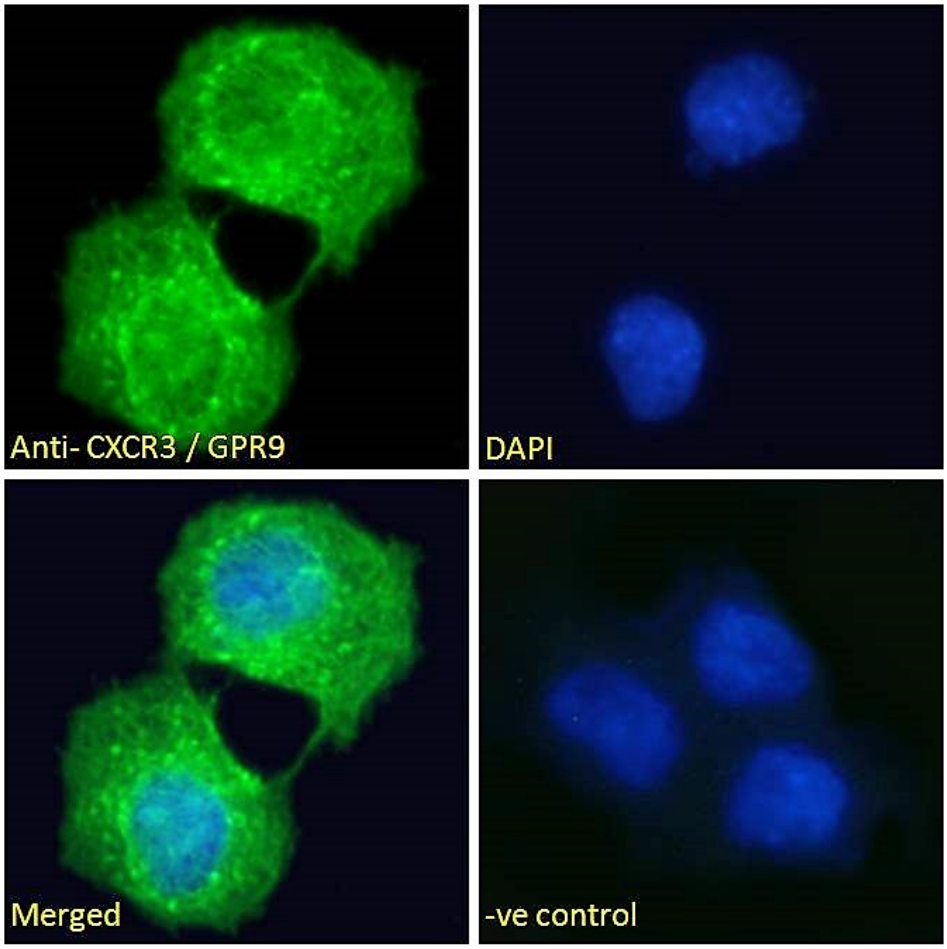
Peptide ELISA: antibody detection limit dilution 1:64000.
Western blot: Preliminary experiments showed a band at approx 55-60kDa in Human Tonsil and Mouse Spleen lysates after 1µg/ml antibody staining. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature. Please note we cannot currently find an explanation in the literature for this band, given the calculated size of 45.5kDa according to NP_001136269.1
IHC: Paraffin embedded Human Spleen. Recommended concentration: 6-8µg/ml.

Immunofluorescence: Strong expression of the protein seen in the membranes of A431 and HepG2 cells. Recommended concentration: 10µg/ml.

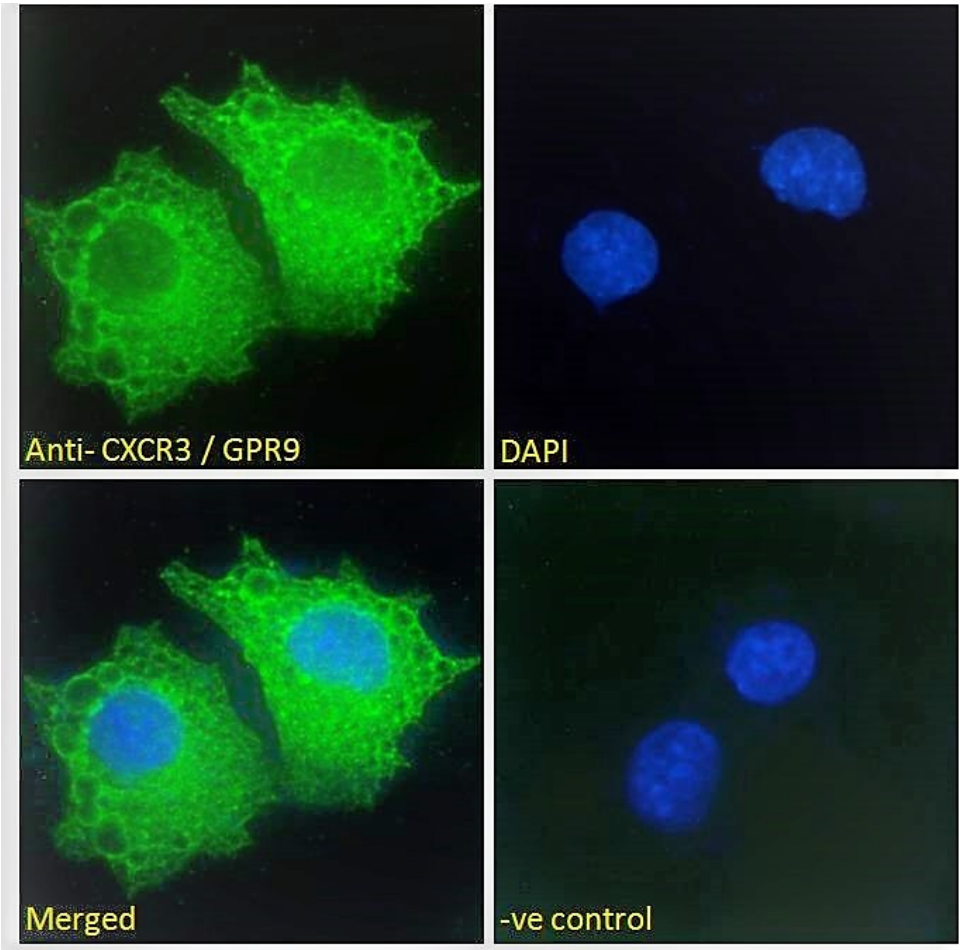
Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

Species Reactivity

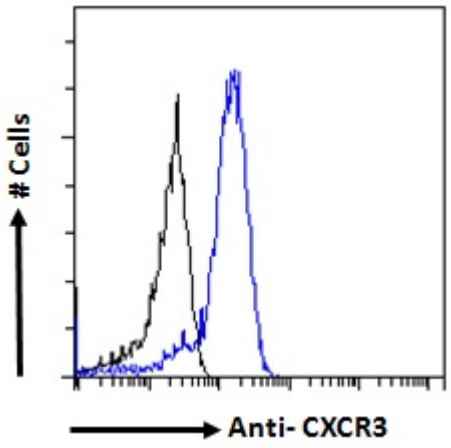
Tested: Human
Expected from sequence similarity: Human, Mouse, Rat



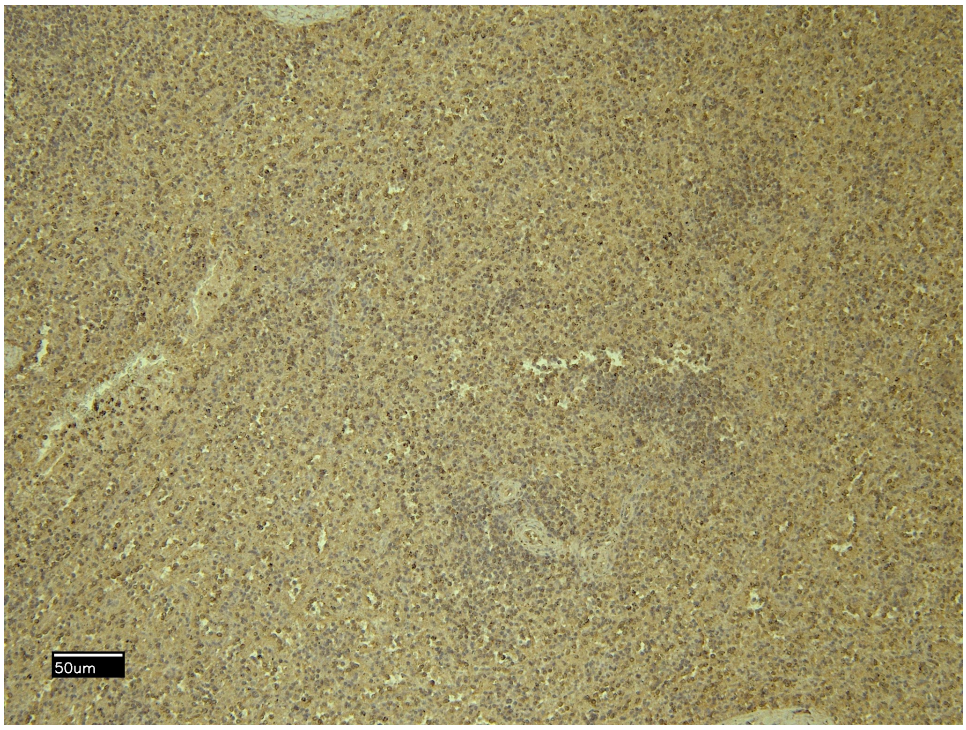
EB07201 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



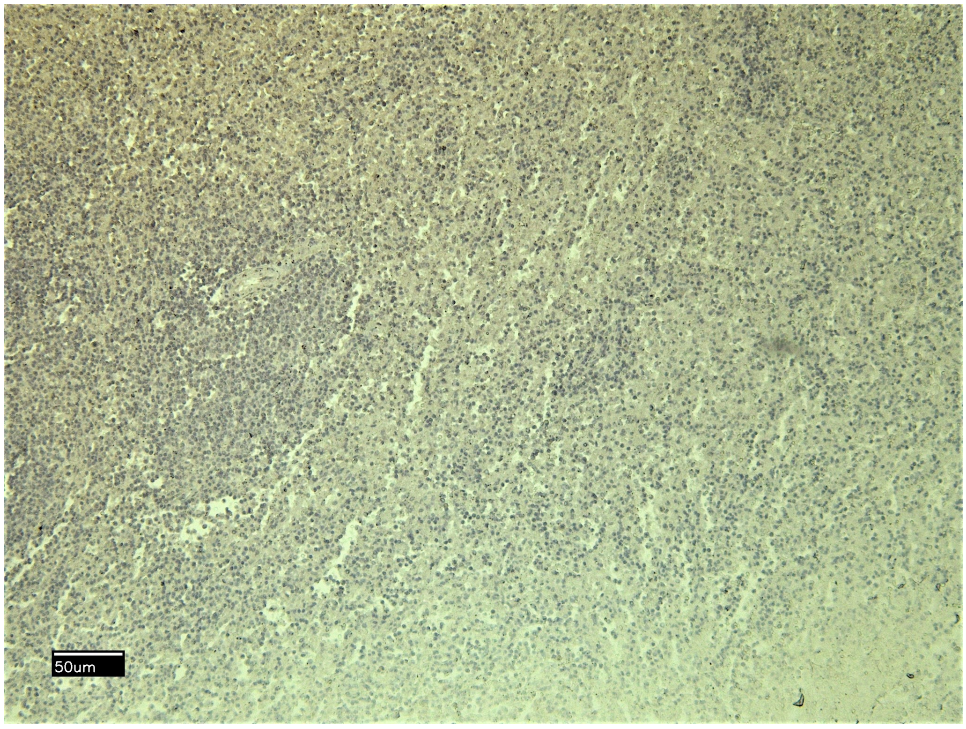
EB07201 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07201 Flow cytometric analysis of paraformaldehyde fixed HepG2 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.



EB07201 (8µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07201 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.