NEUROMICS

IGF1R   Data Sheet

Catalog Number:	RA21017	**Host:**	Rabbit
Product Type:	Rabbit Polyclonal IgG	**Species Reactivity:**	Mouse
Immunogen Sequence:	Synthetic peptide	**Format:**	Lyophilized powder.

Applications:

Immunohistochemistry: 5-10 ug/ml
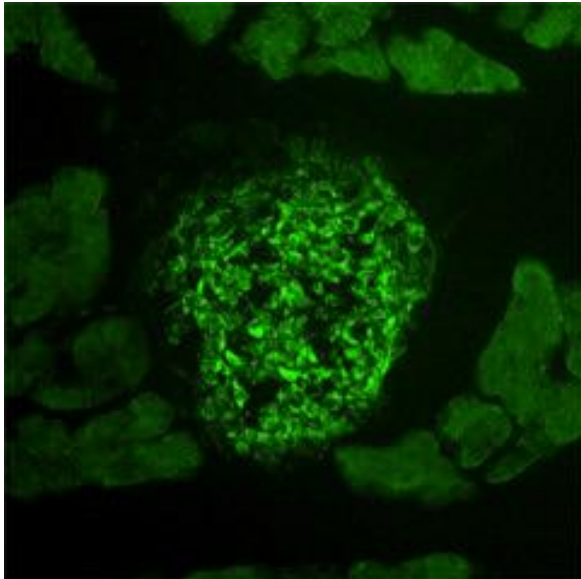Immunofluorescence: 5-15 ug/ml
Western Blot: 1 ug/ml

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Storage: The product can be stored as supplied for up to 12 months at 2°C-4°C. After reconstitution, aliquot and store at -20°C for higher stability or at 4°C with an appropriate antibacterial agent. Avoid freeze thaw-cycles.

Application Notes

Description/Data:
IGF1R binds insulin-like growth factor 1 (IGF1) insulin-like growth factor 1 (IGF2). IGF1R is a tetramer composed of 2 alpha and 2 beta chains linked by disulfide bonds. The alpha chains is involved with the formation of the ligand-binding domain, and the beta chain carries the kinase domain.At a protein level is expressed in many tissues including muscle, heart, kidney, adipose tissue, skeletal muscle, fibroblasts, spleen and placenta. IGF1R is overexpressed in malignant tissues where it plays an anti-apoptotic function.

Images: Immunohistochemical detection of IGF1R in islet in mouse pancreas. Tissue was fixed with 4% formaldehyde and cut into 10 µm thick cryostat sections. Tissue was incubated with rabbit polyclonal antibody to IGF1R at 10 µg/mL overnight at 4°C followed by incubation with Donkey anti-rabbit FITC conjugated secondary antibodies at 1:200 dilution.

FOR RESEARCH USE ONLY