



# GroPep Bioreagents



## Salmon/Trout IGF-II Polyclonal Antibody (Rabbit)

### Description

Salmon/Trout IGF-II polyclonal antibody was prepared by immunising rabbits with a synthetic peptide epitope corresponding to amino acid residues 1-9 of the N-terminus of mature Atlantic salmon (*Salmo salar*) IGF-II. The antiserum was harvested and the IgG fraction partially purified by hydrophobic charge induction chromatography. The antibody is highly specific for IGF-II from Atlantic salmon and Rainbow trout (*Oncorhynchus mykiss*) in an enzyme-linked immunoassay. It has a cross-reactivity of ~5% to salmon insulin and < 0.01% to salmon IGF-I and salmon GH.

### Reference:

Wilkinson R *et al* (2004) Comparative Biochemistry and Physiology B **139**, 193 - 201.

### Immunogen:

Derived from UniProtKB/Swiss-Prot sequence ID A7LBA7 Atlantic salmon IGF-II. The peptide sequence is amino-acids 11-19 (IGF-II<sub>1-9</sub>) conjugated to diphtheria toxoid.

### Source:

HCIC purified IgG from rabbit antiserum (100 µl). Each vial contains approximately 520 µg immunoglobulin.

### Specificity:

5.6 % cross-reactivity with salmon insulin  
< 0.1 % cross-reactivity with salmon/trout IGF-I (*Oncorhynchus kisutch* & *Oncorhynchus mykiss*), salmon/trout growth hormone, tuna IGF-I (*Thunnus maccoyii*), tuna IGF-II, bream IGF-I (*Pagrus auratus*), bream growth hormone (*Acanthopagrus butcheri*), barramundi IGF-I (*Lates calcarifer*), human IGF-I, human IGF-II, rat IGF-I, rat IGF-II, rat growth hormone.

### Appearance:

Lyophilized powder

### Storage/Stability:

At least 2 years at 2 - 4°C (lyophilized).  
After reconstitution store at -20°C or -80°C  
Avoid freeze-thaw cycles

### Reconstitution:

Dissolve the vial contents in 500µl buffer suitable for enzyme-linked immunoassay applications.

### Application and Titre:

Each application and titre should be determined in house but as a guideline:

Enzyme immunoassay 1:1,000  
Immunoblotting 1:1,000

### Product Codes and Pricing

**Salmon/Trout IGF-II  
Polyclonal antibody**

**100 µl PAAA1**

### Related Products:

Salmon/Trout IGF-II

**\*\*NOT FOR USE IN HUMANS\*\***

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