



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 <i>et al</i> (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 ₁₋₉) 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 (<i>Oncorhynchus kisutch</i> & <i>Oncorhynchus mykiss</i>), salmon/trout growth hormone, tuna IGF-I (<i>Thunnus maccoyii</i>), tuna IGF-II, bream IGF-I (<i>Pagrus auratus</i>), bream growth hormone (<i>Acanthopagrus butcheri</i>), barramundi IGF-I (<i>Lates calcarifer</i>), 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	US\$150
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Related Products: Salmon/Trout IGF-II

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

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