

Human Pro-IGF-II (78-88) antiserum (Rabbit)

Description

Human Pro-IGF-II (78-88) antiserum was prepared by immunising rabbits with an 11 amino acid peptide derived from the E domain of human IGF-II linked to diphtheria toxoid. The sequence corresponds to IGF-II₇₇₋₈₈ and as a consequence, the antiserum recognises full length Pro-IGF-II and both IGF-II variants (IGF-II₁₋₈₈ and IGF-II₁₋₁₀₄) derived from processing of the human *igf-2* gene and following proteolytic cleavage. It does not recognise mature IGF-II. Sequence analysis suggests it is likely to recognise IGF-II proteins in non-human primates, dog, guinea-pig, pig and a number of other species.

References:

Duguay SJ *et al* (1999) *Hormone and Metabolic Research* **31**, 43-49
 Espelund U *et al* (2005) *European Journal of Endocrinology* **153**, 861–869
 Khosla S *et al* (2002) *Journal of Clinical Endocrinology and Metabolism* **87**, 3867-3870
 Miraki-Moud F *et al* (2005) *Journal of Clinical Endocrinology and Metabolism* **90**(7), 3819–3823

Immunogen:

Synthetic peptide corresponding to amino acids 78-88 of Human Pro-IGF-II protein.

Source:

Rabbit antiserum.

Specificity:

Determined by Western blotting. Recognises full length human Pro-IGF-II (IGF-II₁₋₁₅₆) and proteolytically cleaved variants (IGF-II₁₋₈₇) and (IGF-II₁₋₁₀₄).

No cross-reactivity against mature IGF-II.

Appearance:

Lyophilized powder

Storage/Stability:

At least 2 years at 2 - 8°C (lyophilized)
 After reconstitution store at -20°C or -80°C
 Avoid freeze-thaw cycles.

Reconstitution:

Dissolve in 100 µl sterile water or buffer solution and stand for 10 minutes at room temperature. Dilute further in a buffer suitable for the application.

Application and Titre:

GroPep recommends optimal dilutions/concentrations should be determined by the end user.
 ELISA (1/50 – 1/32,000)
 Suitable for use in immunoassay, immunoblotting and immunochemistry.

Product Codes

Human Pro-IGF-II (78-88) antiserum 100 µl PAAZ1

Related Products:

Human Pro-IGF-II (138-156) antiserum (Rabbit)
 Human Pro-IGF-II (89-101) antiserum (Rabbit)
 Human Pro-IGF-II (1-104)

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

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