

## Product datasheet for **PP1021B1**

### IGF2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: Direct: To detect hIGF-II (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIGF-II. Sandwich: To detect hIGF-II (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with Polyclonal Anti-Human IGF-II as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIGF-II. Western blot: To detect hIGF-II this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIGF-II is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98 %) recombinant human IGF-II
Specificity:	This antibody detects Insulin-like Growth Factor II.
Formulation:	PBS, pH 7.2 Label: Biotin State: Sterile filtered lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Affinity chromatography
Conjugation:	Biotin
Storage:	Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	insulin like growth factor 2



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**Database Link:** [Entrez Gene 3481 Human P01344](#)

**Background:** The IGF2 gene encodes a member of the insulin family of polypeptide growth factors that is involved in development and growth. It is expressed only from the paternally inherited allele and is an imprinted gene which is a candidate gene for eating disorders. There is a read-through, INS-IGF2, which aligns to this gene at the 3' region and to the upstream INS gene at the 5' region. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.

Insulin Like Growth Factor-2 (IGF-2) is a polypeptide growth factor, which stimulates the proliferation of a wide range of cell types.

**Synonyms:** IGF-II, Somatomedin-A