

## Product datasheet for **AP02105SU-S**

### IGF2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/1000-1/2000.
Reactivity:	Bovine, Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Human Insulin-like Growth Factor-2 (Somatomedin A)
Specificity:	This antibody recognizes IGF-2.
Formulation:	State: Serum State: Liquid serum Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore in aqua bidest to initial volume.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	insulin like growth factor 2
Database Link:	<a href="#">Entrez Gene 3481 Human P01344</a>



[View online »](#)

**Background:**

Insulin-like growth factor II (also known as multiplication stimulating activity or MSA) and insulin-like growth factor I (IGF-I) belong to the family of insulin-like growth factors which are structurally homologous to proinsulin. Mature IGF-I and IGF-II are highly conserved and share approximately 70% amino acid sequence identity. Mouse IGF-II, a 67 amino acid protein, has a predicted molecular mass of approximately 7.4 kDa. Mouse and human IGF-II share 91% sequence identity.

Insulin-like growth factor II has autocrine, paracrine, and endocrine functions. It is a potent mitogenic growth factor that mediates growth-promoting activities in embryonic development. IGF-II binds the IGF-II receptor with high affinity. IGF-I and IGF II are expressed in many tissues and cell types. IGF-II is mitogenic for a variety of cultured cells including human or chicken fibroblasts, mouse 3T3 cells, normal rat kidney cells, and MCF-7 human breast carcinoma cells.

**Synonyms:**

IGF-II, Somatomedin-A