Product datasheet for AP02105SU-N

IGF2 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies
Applications: WB
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.
Database Link: Entrez Gene 3481 Human

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 approx imately 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