



Anti-IGF1 (aa 49-138) polyclonal antibody (DPAB-DC1678)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]
Immunogen	IGF1 (NP_000609, 49 a.a. ~ 138 a.a) partial recombinant protein with GST tag. The sequence is GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSSSRAPQTGIVDECCFRSRDLRLEMY CPLKPTKSARSVRAQRHTDMPKTQKEVHL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	IGF1 insulin-like growth factor 1 (somatomedin C) [Homo sapiens (human)]
Official Symbol	IGF1
Synonyms	IGF1; insulin-like growth factor 1 (somatomedin C); IGFI; IGF-I; IGF1A; insulin-like growth factor I; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor IA; insulin-like growth factor IB;
Entrez Gene ID	3479
Protein Refseq	NP_000609
UniProt ID	P05019
Chromosome Location	12q23.2
Pathway	AMPK signaling pathway; Adipogenesis; Aldosterone-regulated sodium reabsorption; Cardiac Progenitor Differentiation
Function	growth factor activity; hormone activity; insulin receptor binding; insulin-like growth factor receptor binding
