



Anti-IGF1R (aa 761-870) polyclonal antibody (DPAB-DC1679)

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

PRODUCT INFORMATION

Antigen Description	This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Immunogen	IGF1R (NP_000866, 761 a.a. ~ 870 a.a) partial recombinant protein with GST tag. The sequence is DTYNITDPEELETEYPFFESRVDNKERTVISNLRPFTLYRIDIHSCNHEAEKLGCSASNF VFARTMPAEGADDIPGPVTWEPRPENSIFLKWPEPENPNGLILMYEIKYG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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	IGF1R insulin-like growth factor 1 receptor [Homo sapiens (human)]
Official Symbol	IGF1R
Synonyms	IGF1R; insulin-like growth factor 1 receptor; IGFR; CD221; IGFIR; JTK13; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; insulin-like growth factor I receptor;
Entrez Gene ID	3480
Protein Refseq	NP_000866
UniProt ID	P08069
Chromosome Location	15q26.3
Pathway	AMPK signaling pathway; Apoptosis; Endocytosis; Focal adhesion
Function	ATP binding; G-protein alpha-subunit binding; identical protein binding; insulin binding