



# 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	IGF1R (NP_000866, 761 a.a. ~ 870 a.a) partial recombinant protein with GST tag. The sequence is DTYNITDPEELETEYPPFESRVDNKERTVISNLRPFTLYRIDIHSCNHEAEKLGCSASNF VFARTMPAEGADDIPGPVTWEPRPENSIFLKWPEPENPNGLILMYEIKYG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IGF1R insulin-like growth factor 1 receptor [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	IGF1R
<b>Synonyms</b>	IGF1R; insulin-like growth factor 1 receptor; IGFR; CD221; IGFI; JTK13; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; insulin-like growth factor I receptor;
<b>Entrez Gene ID</b>	<a href="#">3480</a>
<b>Protein Refseq</b>	<a href="#">NP_000866</a>
<b>UniProt ID</b>	<a href="#">P08069</a>
<b>Chromosome Location</b>	15q26.3
<b>Pathway</b>	AMPK signaling pathway; Apoptosis; Endocytosis; Focal adhesion
<b>Function</b>	ATP binding; G-protein alpha-subunit binding; identical protein binding; insulin binding