

Rabbit IGF1R Polyclonal Antibody | anti-IGF1R antibody

IGF1R Antibody (N-term K66)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285416	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

IGF1R; Polyclonal Antibody; IGF1R Antibody (N-term K66); Insulin-like growth factor 1 receptor; Insulin-like growth factor I receptor; IGF-I receptor; CD221; Insulin-like growth factor 1 receptor alpha chain; Insulin-like growth factor 1 receptor beta chain; anti-IGF1R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IGF1R antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-77 amino acids from the N-terminal region of human IGF1R.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	51-77
Sequence Length	1,367
Applicable Applications for anti-IGF1R antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of IGF1R Antibody (N-term K66) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)

IGF1R Antibody (N-term K66) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

IGF1R Antibody (N-term K66) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IGF1R Antibody (N-term K66) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of IGF1R Antibody (N-term K66) in WiDr cell line lysates (35ug/lane). IGF1R (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-IGF1R antibody	The IGF1R receptor binds insulin-like growth factor with a high affinity and 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. The protein possess tyrosine kinase activity.
Product Categories/Family for anti-IGF1R antibody	Cancer; Developmental biology; Neuroscience; Signal transduction
References	Song, R.X., et al., Proc. Natl. Acad. Sci. U.S.A. 101(7):2076-2081 (2004). Zhao, H., et al., Oncogene 23(3):786-794 (2004). Lu, Y., et al., Biochem. Biophys. Res. Commun. 313(3):709-715 (2004). Hakam, A., et al., Dig. Dis. Sci. 48(10):1972-1978 (2003). Li, Y., et al., Arterioscler. Thromb. Vasc. Biol. 23(12):2178-2184 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557665
NCBI GeneID	3480
NCBI Accession #	NP_000866.1
NCBI GenBank Nucleotide #	NM_000875.4
UniProt Accession #	P08069; Q14CV2; Q9UCC0; B1B5Y2
Molecular Weight	154793
NCBI Official Full Name	insulin-like growth factor 1 receptor isoform 1
NCBI Official Synonym Full Names	insulin-like growth factor 1 receptor
NCBI Official Symbol	IGF1R
NCBI Official Synonym Symbols	IGFR; CD221; IGFI; JTK13
NCBI Protein Information	insulin-like growth factor 1 receptor
UniProt Protein Name	Insulin-like growth factor 1 receptor
UniProt Gene Name	IGF1R
UniProt Synonym Gene Names	IGF-I receptor
UniProt Entry Name	IGF1R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/igf1r-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/285416>