

Rabbit anti-Human, Mouse IGF1R Polyclonal Antibody | anti-IGF1R antibody

IGF1R Polyclonal Antibody

CATALOG # AAA36723	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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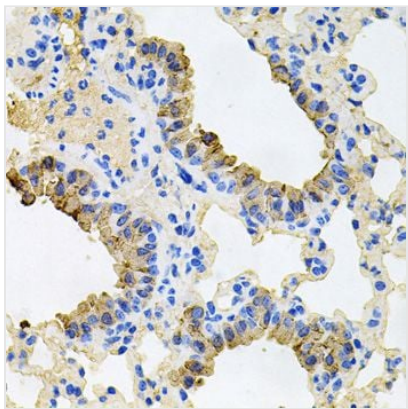
PRODUCT SYNONYMS

IGF1R; Polyclonal Antibody; IGF1R Polyclonal Antibody; IGF-I Receptor beta: IGF-I Receptor b; CD221; IGFIR; IGFR; JTK13; MGC142170; MGC142172; MGC18216; anti-IGF1R antibody

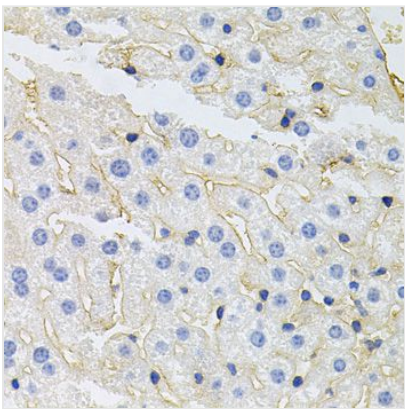
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	1367
Applicable Applications for anti-IGF1R antibody	WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	N term -peptide of human IGF1R
Calculated Molecular Weight	155kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

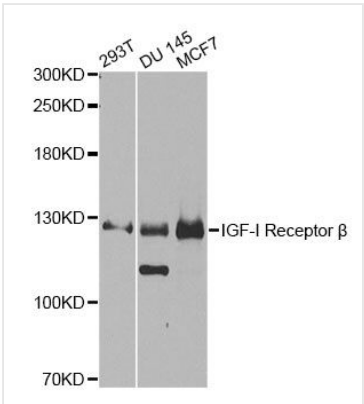
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded mouse lung using IGF1R antibody at dilution of 1:100 (40x lens).



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded mouse liver using IGF1R antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using IGF1R antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-IGF1R antibody	IGF1R, also named as CD221, belongs to the protein kinase superfamily, Tyr protein kinase family and Insulin receptor subfamily. IGF1R binds insulin-like growth factor 1 (IGF1) with a high affinity and IGF2 with a lower affinity. It has a tyrosine-protein kinase activity, which is necessary for the activation of the IGF1-stimulated downstream signaling cascade. When present in a hybrid receptor with INSR, IGF1R binds IGF1. The hybrid receptors composed of IGF1R and INSR isoform Long are activated with a high affinity by IGF1, with low affinity by IGF2 and not significantly activated by insulin, and that hybrid receptors composed of IGF1R and INSR isoform Short are activated by IGF1, IGF2 and insulin. In contrast, the hybrid receptors composed of IGF1R and INSR isoform Long and hybrid receptors composed of IGF1R and INSR isoform Short have similar binding characteristics, both bind IGF1 and have a low affinity for insulin. Defects in IGF1R may be a cause in some cases of resistance to insulin-like growth factor 1 (IGF1 resistance). The antibody is specific to IGF1R.
Product Categories/Family for anti-IGF1R antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	124240
NCBI GeneID	3480
UniProt Accession #	P08069; Q14CV2; Q9UCC0; B1B5Y2

Molecular Weight	1367
NCBI Official Full Name	Insulin-like growth factor 1 receptor
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; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; insulin-like growth factor I 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://www.aaabiotech.com/polyclonal/igf1r-antibody-western-blot-elisa/36723>