

Mouse anti-Human IGF1R Antibody | anti-IGF1R antibody

IGF1R Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108696	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

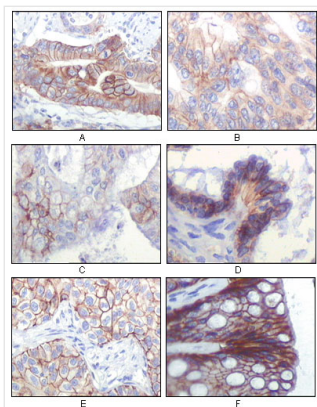
PRODUCT SYNONYMS

IGF1R; IGF1R Antibody; anti-IGF1R antibody

PRODUCT SPECIFICATIONS

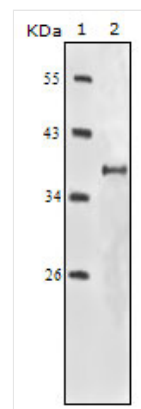
Host	Mouse
Reactivity	Human
Isotype	IgG2b
Clone Number	3C8B1
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	1367
Applicable Applications for anti-IGF1R antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of IGF1R expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



Application Data

Figure 2. Immunohistochemical analysis of paraffin-embedded human gastric adenocarcinoma(A), colon adenocarcinoma(B), endometrial carcinoma(uterus)(C), ovary adenocarcinoma(D), lung squamous cell carcinoma(E), stomach epithelium mucosae(F), showing membrane localization using IGF1R mouse mAb with DAB staining.



Application Data

Figure 1. Western blot analysis using IGF1R mouse mAb against truncated IGF1R recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-IGF1R antibody	IGF1R (insulin-like growth factor 1 receptor), a transmembrane receptor tyrosine kinase, is widely expressed in many cell types within fetal and postnatal tissues, and in many cell lines. Upon binding to its ligands, IGF-I and IGF-II, receptor autophosphorylation occurs. The triple tyrosine cluster within the kinase domain (Tyr1131, Tyr1135 and Tyr1136) is the earliest major site of autophosphorylation. Phosphorylation of these three tyrosine residues is necessary for kinase activation. Insulin receptors (IRs) share significant similarity with IGF1 receptors in both structure and function, including an equivalent triple tyrosine cluster within the activation loop of the kinase domain (Tyr1146, Tyr1150 and Tyr1151). Tyrosine autophosphorylation of insulin receptor is one of the earliest cellular responses to insulin stimulation. Autophosphorylation begins with phosphorylation of Tyr1146 and either Tyr1150 or Tyr1151. Full kinase activation requires the triple tyrosine phosphorylation.
Product Categories/Family for anti-IGF1R antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

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	154,793 Da
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; IGFR; 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

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.