
Product Name: KO-Validated Phospho-IGF1 Receptor (Y1166) Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00062

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 154.8kDa

Antigen Information

Gene Name	IGF1R IGF1R; Insulin Like Growth Factor 1 Receptor; Insulin-Like Growth Factor 1 Receptor; JTK13;
Alternative Names	CD221; IGFIR; IGFR; IGF-I Receptor; EC 2.7.10.1; MGC18216; Insulin-Like Growth Factor I Receptor; CD221 Antigen; EC 2.7.10
Gene ID	3480.0
SwissProt ID	P08069
Immunogen	A synthesized peptide derived from human Phospho-IGF1 Receptor (Tyr1166)

Background

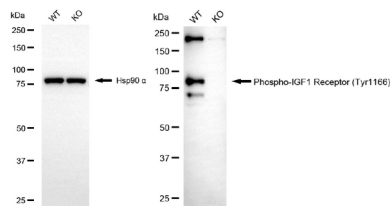
This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I

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. [provided by RefSeq, May 2014]

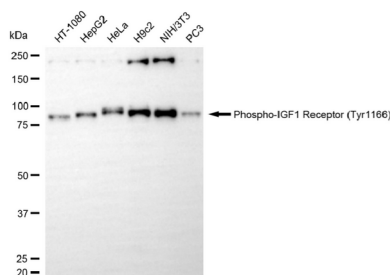
Research Area

Developmental Biology

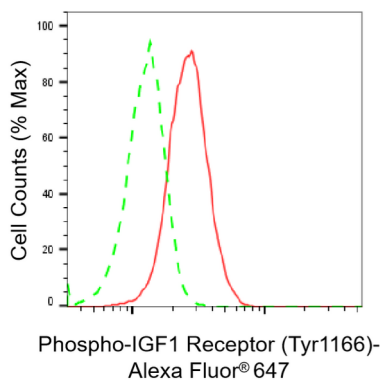
Image Data



Western blotting analysis using phospho-IGF1 Receptor (Tyr1166) antibody (KVA000062). phospho-IGF1 Receptor (Tyr1166) expression in wild-type (WT) and IGF1R knockout (KO) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-IGF1 Receptor (Tyr1166) antibody (KVA000062, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using phospho-IGF1 Receptor (Tyr1166) antibody (KVA000062). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-IGF1 Receptor (Tyr1166) antibody (KVA000062, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Phospho-IGF1 Receptor (Tyr1166) expression in HAP-1 cells using Phospho-IGF1 Receptor (Tyr1166) antibody (KVA000062, 1:2,000). Green, isotype control; red, Phospho-IGF1 Receptor (Tyr1166).