

Product Name: KD-Validated Growth factor receptor bound protein 7 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01789

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
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: 59.7kDa

Antigen Information

Gene Name	GRB7
Alternative Names	GRB7; Growth Factor Receptor Bound Protein 7; Growth Factor Receptor-Bound Protein 7; Epidermal Growth Factor Receptor GRB-7; GRB7 Adapter Protein; B47
Gene ID	2886.0
SwissProt ID	Q14451
Immunogen	A synthesized peptide derived from human GRB7

Background

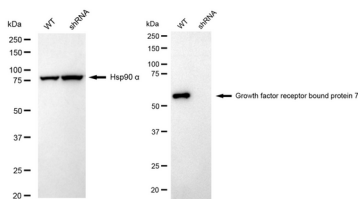
The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with

epidermal growth factor receptor (EGFR) and ephrin receptors. The protein plays a role in the integrin signaling pathway and cell migration by binding with focal adhesion kinase (FAK). Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]

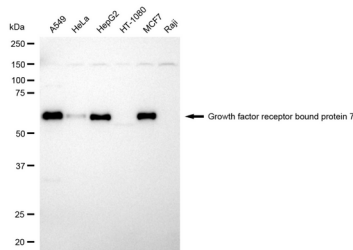
Research Area

Signal Transduction

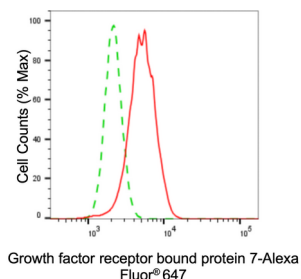
Image Data



Western blotting analysis using growth factor receptor bound protein 7 antibody (KVA01789). Growth factor receptor bound protein 7 expression in wild type (WT) and growth factor receptor bound protein 7 (GRB7) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with growth factor receptor bound protein 7 antibody (KVA01789, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using growth factor receptor bound protein 7 antibody (KVA01789). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with growth factor receptor bound protein 7 antibody (KVA01789, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of growth factor receptor bound protein 7 expression in HepG2 cells using growth factor receptor bound protein 7 antibody (KVA01789, 1:2,000). Green, isotype control; red, growth factor receptor bound protein 7.