Product Name: KD-Validated Growth Factor Receptor Bound Protein 2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01042
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 25.2kDa

Antigen Information

Gene Name	GRB2
Alternative Names	GRB2; Growth Factor Receptor Bound Protein 2; Growth Factor Receptor-Bound Protein 2; NCKAP2; SH2/SH3 Adapter GRB2; Protein Ash; ASH; Epidermal Growth Factor Receptor-Binding Protein GRB2; Epididymis Secretory Sperm Binding Protein; Growth Factor Receptor-Bound Protein 3; Antibodyundant SRC Homology; Adapter Protein GRB2; EGFRBP-GRB2; MSTP084; Grb3-3; MST084; HT027
Gene ID	2885.0
SwissProt ID	P62993
Immunogen	A synthesized peptide derived from human GRB2

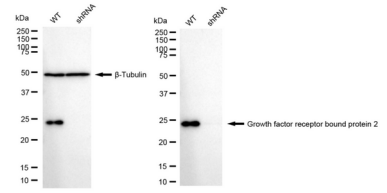
Background

The protein encoded by this gene binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the Sem5 gene of C.elegans, which is involved in the signal transduction pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

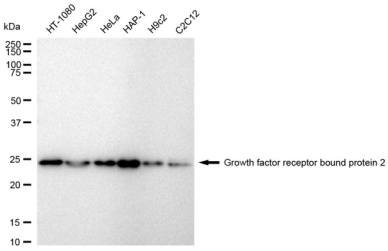
Research Area

Signal Transduction,Cancer

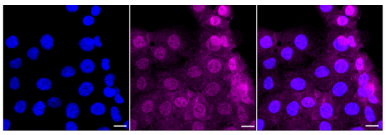
Image Data



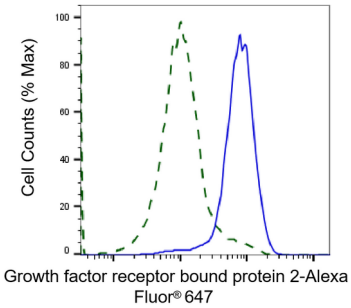
Western blotting analysis using Growth factor receptor bound protein 2 antibody (KVAb01042). Growth factor receptor bound protein 2 expression in wild type (WT) and Growth factor receptor bound protein 2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Growth factor receptor bound protein 2 antibody (KVAb01042, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



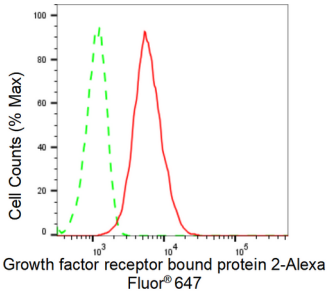
Western blotting analysis using Growth factor receptor bound protein 2 antibody (KVAb01042). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Growth factor receptor bound protein 2 antibody (KVAb01042, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Growth factor receptor bound protein 2 antibody (KVAb01042, 1:1,000) . Nuclei were stained blue with DAPI; Growth factor receptor bound protein 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of Growth factor receptor bound protein 2 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Growth factor receptor bound protein 2 antibody (KVAb01042, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Growth factor receptor bound protein 2 expression in HT-1080 cells using Growth factor receptor bound protein 2 antibody (KVAb01042, 1:2,000). Green, isotype control; red, Growth factor receptor bound protein 2.