

Product Name: KD-Validated Gli3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01761**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 169.9kDa

Antigen Information

Gene Name	GLI3 GLI Family Zinc Finger 3; PAP-A; PAPA1; PPDIV; PAPA; PAPB; ACLS; Glioma-Associated Oncogene Family Zinc Finger 3; GLI-Kruppel Family Member GLI3;Transcriptional Activator
Alternative Names	GLI3; Zinc Finger Protein GLI3; Oncogene GLI3; GLI3-190; GLI3FL; GCPS; PHS; Greig Cephalopolysyndactyly Syndrome; GLI3 Full-Length Protein; GLI3 Form Of 190 KDa; DNA-Binding Protein
Gene ID	2737.0
SwissProt ID	P10071
Immunogen	A synthesized peptide derived from human Gli3

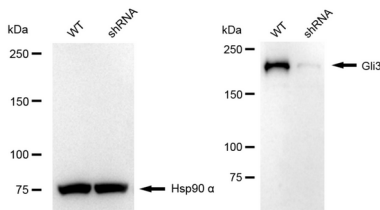
Background

This gene encodes a protein which belongs to the C2H2-type zinc finger proteins subclass of the Gli family. They are characterized as DNA-binding transcription factors and are mediators of Sonic hedgehog (Shh) signaling. The protein encoded by this gene localizes in the cytoplasm and activates patched Drosophila homolog (PTCH) gene expression. It is also thought to play a role during embryogenesis. Mutations in this gene have been associated with several diseases, including Greig cephalopolysyndactyly syndrome, Pallister-Hall syndrome, preaxial polydactyly type IV, and postaxial polydactyly types A1 and B. [provided by RefSeq, Jul 2008]

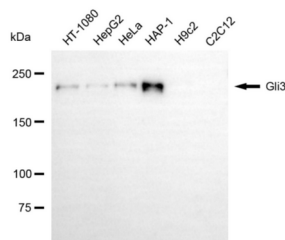
Research Area

Epigenetics and Nuclear Signaling, Neuroscience, Stem Cells

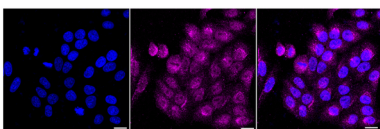
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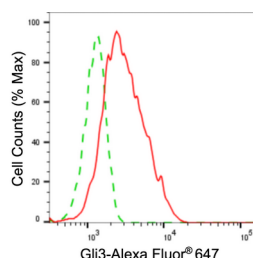
Western blotting analysis using gli3 antibody (KVA01761). Gli3 expression in wild-type (WT) and GLI3 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with gli3 antibody (KVA01761, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. GLI3, GLI Family Zinc Finger 3.



Western blotting analysis using gli3 antibody (KVA01761). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with gli3 antibody (KVA01761, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with gli3 antibody (KVA01761, 1:1,000). Nuclei were stained blue with DAPI; Gli3 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.



Flow cytometric analysis of gli3 expression in HepG2 cells using gli3 antibody (KVA01761, 1:2,000). Green, isotype control; red, gli3.