Data Sheet (Cat.No.TMAC-01667)

TargetMol

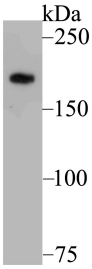
Anti-Gli3 Antibody (3M730)

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 190 kDa.
Clone:	3M730
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of Gli3 on PC-3M cell lysate using anti-Gli3 antibody at 1/1,000 dilution.



Application:	ICC,WB
Recommended	WB: 1:500-2000; ICC: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human Gli3 aa 1300-1600
Antigen Species:	human
Uniprot ID:	P10071
Synonyms:	GLI Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome);GLI family zinc finger 3;ACLS;PAPA 1;PAP A;GLI3_HUMAN;GLI Kruppel family member GLI 3;GLI3 form of 190 kDa; PAPA1;GLI3-190;Oncogene GLI3;Zinc finger protein GLI3;GLI Kruppel family member GLI3;GLI 3; GLI3-83;GLI3FL;Zinc finger protein GLI 3;GLI3 form of 83 kDa;PAPB;GLI3 C-terminally truncated form;Transcriptional activator GLI3;PPDIV;GCPS;PPD IV;Transcriptional repressor GLI3R;PAPA; Glioma associated oncogene family zinc finger 3;GLI3 full length protein;PHS;DNA binding protein

Research Background

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Kr??ppel-type

DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. GLI-3 (GLI family zinc finger 3), also known as GLI3FL (GLI3 full length protein), PHS, ACLS, GCPS, PAPA, PAPB, PAPA1 or PPDIV, is a 1,580 amino acid nuclear and cytoplasmic protein that acts as both a transcriptional activator and a repressor of the Sonic hedgehog (Shh) pathway. A member of the GLI C2H2-type zinc-finger protein family, GLI-3 is encoded by a gene that maps to human chromosome 7p14.1. Defects in the GLI-3 gene are the cause of a disorder known as Greig cephalo-poly-syndactyly syndrome (GCPS), which affects limb and craniofacial development.

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