



# Anti-GLI3 polyclonal antibody (CPBT-66118RG)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

This product recognizes the Human Zinc Finger protein 3 (GLI-3), also known as GLI-Kruppel family member 3, a 169.8kDa protein belonging to the GLI C2H2-type zinc finger protein of transcription factors. GLI-3 and the related GLI-2 proteins are the primary transcription factors that mediate Sonic hedgehog (Shh) signals in the mouse, GLI-2 being primarily a transcriptional activator while GLI-3 is a transcriptional repressor. GLI-3 plays a role in the development of the limbs and brain. It is expressed in a wide range of adult tissues including the colon, lung, spleen, testis and placenta. Defects in GLI3 are causative of a range of disease states including Pallister-Hall syndrome, type IV preaxial polydactyly, acrocallosal syndrome (ACS) and Greig cephalo-poly-syndactyly syndrome. GLI proteins are also implicated as potent oncogenes in the embryonal carcinoma cell.

<b>Specificity</b>	GLI3
<b>Immunogen</b>	Synthetic peptide corresponding to amino acid sequence 41-57 of human Gli3 protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Amphibia, Chicken, Chimpanzee, Dog, Monkey, Mouse, Quail, Rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; IHC-P; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	50 µg
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a

precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">GLI3 GLI family zinc finger 3 [ Homo sapiens (human) ]</a>
Official Symbol	GLI3
Synonyms	GLI3; GLI family zinc finger 3; PHS; ACLS; GCPS; PAPA; PAPB; PAP-A; PAPA1; PPDIV; GLI3FL; GLI3-190; transcriptional activator GLI3; oncogene GLI3; zinc finger protein GLI3; GLI-Kruppel family member GLI3; glioma-associated oncogene family zinc finger 3;
Entrez Gene ID	<a href="#">2737</a>
Protein Refseq	<a href="#">NP_000159</a>
UniProt ID	P10071
Chromosome Location	7p13
Pathway	Basal cell carcinoma; Endochondral Ossification; GLI proteins bind promoters of Hh responsive genes to promote transcription; GLI3 is processed to GLI3R by the proteasome; Hedgehog off state; Hedgehog on state; Hedgehog Signaling Pathway; Hedgehog signaling;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; beta-catenin binding; chromatin binding; histone acetyltransferase binding; histone deacetylase binding; metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity;