GLI1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GLI1, Polyclonal Antibody
Full Product Name	GLI1 Polyclonal Antibody
Product Gene Name	anti-GLI1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	104kDa; 113kDa; 117kDa
OMIM	165220
3D Structure	ModBase 3D Structure for P08151
Immunogen	A synthetic peptide of human GLI1 (NP_001153517.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GLI1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-GLI1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Related Product Information for anti-GLI1 antibody	This gene encodes a member of the Kruppel family of zinc finger proteins. The encoded transcription factor is activated by the sonic hedgehog signal transduction cascade and regulates stem cell proliferation. The activity and nuclear localization of this protein is negatively regulated by p53 in an inhibitory loop. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-GLI1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GLI1 purchase	MBS8569367 is an antibody targeting GLI1. Also known as GLI1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GLI1. It may not necessarily be applicable to this product.

NCBI GI #	121323
NCBI GeneID	2735
NCBI Accession #	P08151.1
UniProt Primary Accession #	P08151

UniProt Related Accession #	P08151
NCBI Official Full Name	Zinc finger protein GLI1
NCBI Official Synonym Full Names	GLI family zinc finger 1
NCBI Official Symbol	GLI1
NCBI Official Synonym Symbols	GLI; PPD1; PAPA8
UniProt Protein Name	Zinc finger protein GLI1
UniProt Synonym Protein Names	Glioma-associated oncogene; Oncogene GLI
Protein Family	Zinc finger protein
UniProt Gene Name	GLI1
UniProt Synonym Gene Names	GLI
UniProt Entry Name	GLI1_HUMAN
NCBI Protein Information	zinc finger protein GLI1
UniProt Comments for GLI1	GLI1: Acts as a transcriptional activator. May regulate the transcription of specific genes during normal development. May play a role in craniofacial development and digital development, as well as development of the central nervous system and gastrointestinal tract. Mediates SHH signaling and thus cell proliferation and differentiation. Interacts with KIF7. Interacts with ZIC1; the interaction enhances transcription activation. Amplified in glioblastoma cells. Testis, myometrium and fallopian tube. Also expressed in the brain with highest expression in the cerebellum, optic nerve and olfactory tract. Belongs to the GLI C2H2-type zinc-finger protein family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor; Oncoprotein; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 12q13.2-q13.3 Cellular Component: nucleoplasm; intracellular membrane-bound organelle; cytoplasm; nucleus; cytosol Molecular Function: RNA polymerase II transcription factor activity, enhancer binding; protein binding; DNA binding; metal ion binding; microtubule binding; chromatin binding Biological Process: transcription from RNA polymerase II promoter; smoothened signaling pathway; ventral midline development; smoothened signaling pathway in regulation of granule cell precursor cell proliferation; positive regulation of transcription, DNA-dependent; digestive tract morphogenesis; notochord regression; osteoblast differentiation; cerebellar cortex morphogenesis; dorsal/ventral pattern formation; pituitary gland development; positive regulation of cell proliferation; positive regulation of smoothened signaling pathway; epidermal cell differentiation; spermatogenesis; positive regulation of transcription from RNA polymerase II promoter; positive regulation of DNA replication; proximal/distal pattern formation; regulation of smoothened signaling pathway; lung development
Research Articles on GLI1	**1.** High GLI1 expression is associated with colorectal cancer.
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