

产品名称: GLI-3 Rabbit Polyclonal Antibody
产品货号: APRab11465



产品概述 (Summary)

产品名称 (Production Name)	GLI-3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GLI3
别名 (Alternative Names)	GLI3; Transcriptional activator GLI3; GLI3 form of 190 kDa; GLI3-190; GLI3 full length protein; GLI3FL
基因 ID (Gene ID)	2737.0
蛋白 ID (SwissProt ID)	P10071. The antiserum was produced against synthesized peptide derived from human GLI-3. AA range: 11-60

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:200-1:1000, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	

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研究背景 (Background)

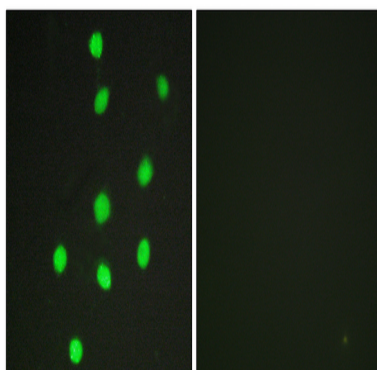
This gene encodes a protein which belongs to the C2H2-type zinc finger proteins subclass of the Gli family. They are characterized as DNA-binding transcription factors and are mediators of Sonic hedgehog (Shh) signaling. The protein encoded by this gene localizes in the cytoplasm and activates patched 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],disease:Defects in GLI3 are a cause of Pallister-Hall syndrome (PHS) [MIM:146510]. Pallister-Hall syndrome is characterized by a wide range of clinical manifestations. It mainly associates central or postaxial polydactyly, syndactyly, and hypothalamic hamartoma. Malformations are frequent in the viscera, e.g. anal atresia, bifid uvula, congenital heart malformations, pulmonary or renal dysplasia. It is an autosomal dominant disorder.,disease:Defects in GLI3 are a cause of type A1/B postaxial polydactyly (PAPA1/PAPB) [MIM:174200, 603596]. PAPA in humans is an autosomal dominant trait characterized by an extra digit in the ulnar and/or fibular side of the upper and/or lower extremities. The extra digit is well formed and articulates with the fifth, or extra, metacarpal/metatarsal, and thus it is usually functional.,disease:Defects in GLI3 are a cause of type IV preaxial polydactyly [MIM:174700]. Preaxial polydactyly (i.e., polydactyly on the radial/tibial side of the hand/foot) covers a heterogeneous group of entities. In preaxial polydactyly type IV, the thumb shows only the mildest degree of duplication, and syndactyly of various degrees affects fingers 3 and 4.,disease:Defects in GLI3 are the cause of acrocallosal syndrome (ACS) [MIM:200990]; also abbreviated ACLS. ACS is characterized by postaxial polydactyly, hallux duplication, macrocephaly, and absence of the corpus callosum, usually with severe developmental delay.,disease:Defects in GLI3 are the cause of Greig cephalo-poly-syndactyly syndrome (GCPS) [MIM:175700]; an autosomal dominant disorder affecting limb and craniofacial development. GCPS is characterized by pre- and postaxial polydactyly, syndactyly of fingers and toes, macrocephaly and hypertelorism.,function:Plays a role in limb and brain development. Implicated in the transduction of SHH signal.,similarity:Belongs to the GLI C2H2-type zinc-finger protein family.,similarity:Contains 5 C2H2-type zinc fingers.,tissue specificity:Is expressed in a wide variety of normal adult tissues, including lung, colon, spleen, placenta, testis, and myometrium.,

研究领域 (Research Area)

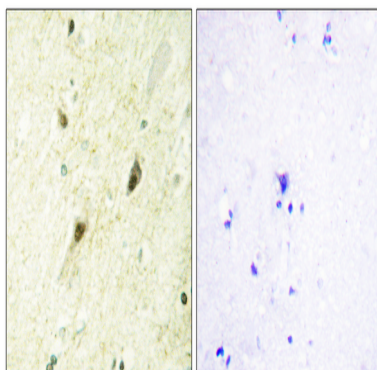
Hedgehog;Pathways in cancer;Basal cell carcinoma;

图片 (Image Data)

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Immunofluorescence analysis of HepG2 cells, using GLI-3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GLI-3 Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .