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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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Zinc Finger Protein GLI1 Blocking Peptide

BACKGROUND

Zinc Finger Protein GLI1 is a member of the Kruppel family of zinc finger proteins. It is thought that it may regulate the transcription of specific genes during normal development and may play a role in craniofacial development and digital development. It also may be involved in the development of the central nervous system and gastrointestinal tract. This protein mediates SHH signaling and thus cell proliferation and differentiation. It has been localized to the cytoplasm and nucleus. It is tethered in the cytoplasm by binding to SUFU and activation and translocation to the nucleus is promoted by interaction with STK36. Protein expression is amplified in glioblastoma cells. Defects in the GLI1 protein may be a cause of breast cancer.

ORDERING INFORMATION

CATALOG NUMBER

X2367B

SIZE

50 μ g

CUSTOMER STORAGE

Product should be stored at -20°C.
Aliquot to avoid freeze/thaw cycles

FORMULATION

Provided as solution in phosphate buffered saline

SHIP CONDITIONS**STABILITY**

Products are stable for one year from purchase when stored properly

COMMENTS

For use with zinc finger protein GLI1 polyclonal antibodies (Cat. No. X2363P & X2366P).

INSTRUCTIONS

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37 deg C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Example: 10 μ l or 10 μ g of Exalpa's rabbit anti-zinc finger protein GLI1 (Cat. No. X2366P) is added to 10 μ g of blocking peptide for a total volume of 20 μ l. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).