

Product datasheet

Human Gli1 peptide ab111659

Overview

Product name Human Gli1 peptide

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Sequence TNPSCGHPEVGRLLGGGPALYPPPEGQVCNPLDSLDDNTQLDFVAILDEP

Specifications

Our [Abpromise guarantee](#) covers the use of **ab111659** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking - Blocking peptide for Anti-Gli1 antibody ([ab49314](#))

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

Reconstitution Add 100ul of distilled water. Final peptide concentration is 1 mg/ml in water.

General Info

Function 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.

Tissue specificity Testis, myometrium and fallopian tube. Also expressed in the brain with highest expression in the cerebellum, optic nerve and olfactory tract.

Sequence similarities Belongs to the GLI C2H2-type zinc-finger protein family.
Contains 5 C2H2-type zinc fingers.

Post-translational modifications

Phosphorylated in vitro by ULK3.

Cellular localization

Cytoplasm. Nucleus. Tethered in the cytoplasm by binding to SUFU. Activation and translocation to the nucleus is promoted by interaction with STK36. Phosphorylation by ULK3 may promote nuclear localization. Translocation to the nucleus is promoted by interaction with ZIC1.

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