

GLI2 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11239**Specification**

GLI2 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	P10070
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	168kDa KDa

GLI2 Antibody (Internal) - Additional Information**Gene ID** 2736**Other Names**

Zinc finger protein GLI2, GLI family zinc finger protein 2 {ECO:0000312|HGNC:HGNC:4318}, Tax helper protein, GLI2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4318)
[HGNC:4318](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4318))

Target/Specificity

Amino acids from an internal region of Mouse Gli-2.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

GLI2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

GLI2 Antibody (Internal) - Protein Information**Name** GLI2 ([HGNC:4318](#))**Function**

Functions as a transcription regulator in the hedgehog (Hh) pathway (PubMed:[18455992](http://www.uniprot.org/citations/18455992), PubMed:[26565916](http://www.uniprot.org/citations/26565916)). Functions as a transcriptional activator (PubMed:[9557682](http://www.uniprot.org/citations/9557682), PubMed:[19878745](http://www.uniprot.org/citations/19878745), PubMed:[24311597](http://www.uniprot.org/citations/24311597)). May also function as transcriptional repressor (By similarity). Requires STK36 for full transcriptional activator activity. Required for normal embryonic development (PubMed:[15994174](http://www.uniprot.org/citations/15994174), PubMed:[20685856](http://www.uniprot.org/citations/20685856)

target="_blank">20685856).

Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q0VGT2}. Cell projection, cilium {ECO:0000250|UniProtKB:Q0VGT2}. Note=STK36 promotes translocation to the nucleus. In keratinocytes, it is sequestered in the cytoplasm by SUFU. In the absence of SUFU, it translocates to the nucleus {ECO:0000250|UniProtKB:Q0VGT2} [Isoform 2]: Nucleus

Tissue Location

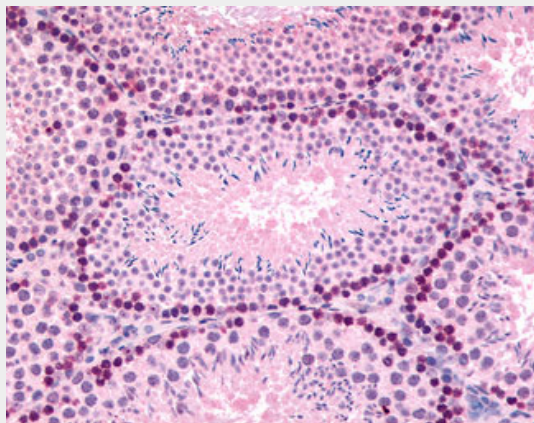
Expressed in breast cancers (at protein level) (PubMed:26565916). Isoform 1 and isoform 4 are expressed in HTLV-1- infected T-cell lines (at protein level) (PubMed:9557682). Isoform 1 and isoform 2 are strongly expressed in HTLV-1-infected T-cell lines (PubMed:9557682). Isoform 3 and isoform 4 are weakly expressed in HTLV- 1-infected T-cell lines (PubMed:9557682).

GLI2 Antibody (Internal) - Protocols

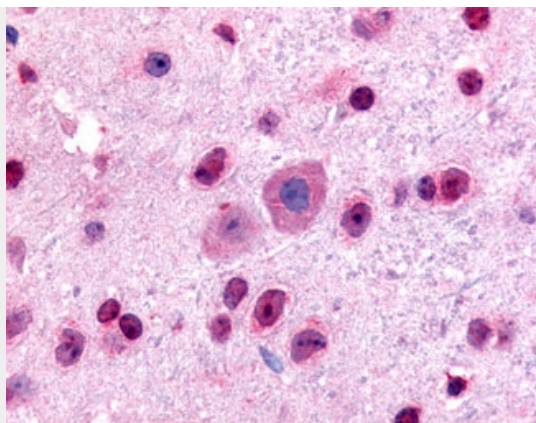
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GLI2 Antibody (Internal) - Images



Anti-GLI2 antibody IHC of mouse, testis.



Anti-GLI2 antibody IHC of mouse, brain.

GLI2 Antibody (Internal) - Background

Has a dual function as a transcriptional activator and a repressor of the hedgehog (Hh) pathway. May play a role during embryogenesis.

GLI2 Antibody (Internal) - References

- Tanimura A.,et al.J. Virol. 72:3958-3964(1998).
Roessler E.,et al.Hum. Mol. Genet. 14:2181-2188(2005).
Hillier L.W.,et al.Nature 434:724-731(2005).
Tanimura A.,et al.J. Virol. 67:5375-5382(1993).
Ruppert J.M.,et al.Mol. Cell. Biol. 8:3104-3113(1988).