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GLI2 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2499a

Specification

GLI2 Antibody (internal region) - Product Information

Application	**IHC**
Primary Accession	P10070
Other Accession	NP_005261.2, 2736
Predicted	**Human, Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**167783**

GLI2 Antibody (internal region) - 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 (HGNC:4318)

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

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

GLI2 Antibody (internal region) - Protein Information

Name GLI2 (HGNC:4318)

Function
Functions as a transcription regulator in the hedgehog (Hh) pathway (PubMed:18455992, PubMed:26565916). Functions as a transcriptional activator (PubMed:9557682, PubMed:<a href="http://www.uniprot.org/citations/19878745"

target="_blank">19878745, PubMed:24311597). May also function as transcriptional repressor (By similarity). Requires STK36 for full transcriptional activator activity. Required for normal embryonic development (PubMed:15994174, PubMed: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

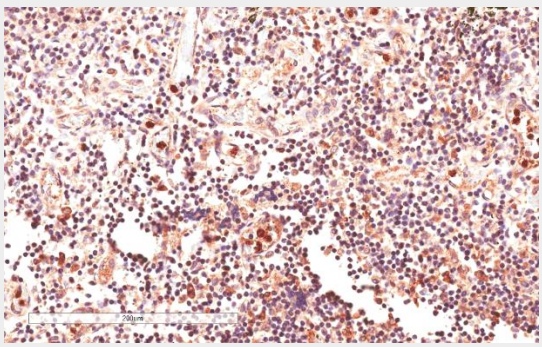
Tissue Location
Expressed in breast cancers (at protein level) (PubMed:26565916). Isoform 1 and isoform 4 are expressed in HTLV-1- infected T-cell lines (at protein level) (PubMed:9557682). Isoform 1 and isoform 2 are strongly expressed in HTLV-1-infected T-cell lines (PubMed:9557682). Isoform 3 and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

GLI2 Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GLI2 Antibody (internal region) - Images



AF2499a (4µg/ml) staining of paraffin embedded HumanLymph Node. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.

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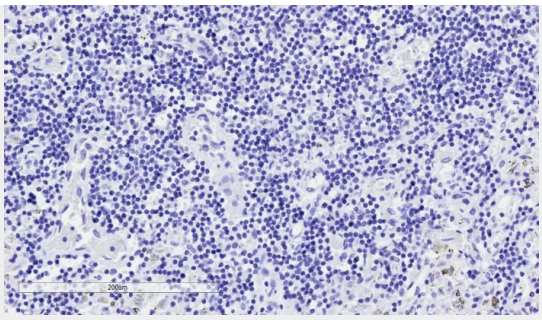

AF2499a Negative Control showing staining of paraffin embedded Human Lymph Node, with no primary antibody.

GLI2 Antibody (internal region) - Background

This antibody is expected to recognise all four reported isoforms (NP_084655.1, NP_084656.1, NP_084657.1 and NP_005261.1)

GLI2 Antibody (internal region) - References

Gli2 and gli3 localize to cilia and require the intraflagellar transport protein polaris for processing and function. Haycraft CJ, Banizs B, Aydin-Son Y, Zhang Q, Michaud EJ, Yoder BK. PLoS Genet. 2005 Oct;1(4):e53. Epub 2005 Oct 28. PMID: 16254602