

## Datasheet: AHP1456

<b>Description:</b>	RABBIT ANTI GLI3
<b>Specificity:</b>	GLI3
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			1.25ug/ml
ELISA	▪			1/6000
Immunoprecipitation			▪	
Western Blotting	▪			1/500
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Chicken, Rat, Amphibia, Dog, Monkey, Mouse, Chimpanzee, Quail <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human GLI3 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml

**Immunogen** Synthetic peptide corresponding to amino acid sequence 41-57 of human Gli3 protein.

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**External Database Links**

**UniProt:**  
[P10071](#) [Related reagents](#)

**Entrez Gene:**  
[2737](#) [GLI3](#) [Related reagents](#)

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**RRID** AB\_2111920

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**Specificity**

**Rabbit anti Human GLI3 antibody** recognizes the Human Zinc Finger protein 3 (GLI-3), also known as GLI-Kruppel family member 3, a 169.8 kDa protein belonging to the GLI C2H2-type zinc finger protein of transcription factors.

GLI-3 and the related GLI-2 proteins are the primary transcription factors that mediate Sonic hedgehog (Shh) signals in the mouse, GLI-2 being primarily a transcriptional activator while GLI-3 is a transcriptional repressor. GLI-3 plays a role in the development of the limbs and brain. It is expressed in a wide range of adult tissues including the colon, lung, spleen, testis and placenta.

Defects in GLI3 are causative of a range of disease states including Pallister-Hall syndrome, type IV preaxial polydactyly, acrocallosal syndrome (ACS) and Greig cephalo-poly-syndactyly syndrome. GLI proteins are also implicated as potent oncogenes in the embryonal carcinoma cell.

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**Histology Positive Control Tissue**

Human brain, glioblastoma

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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