

Datasheet: AHP1456

Description:	RABBIT ANTI GLI3
Specificity:	GLI3
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	Reacts with: Chicken, Rat, Amphibia, Dog, Monkey, Mouse, Chimpanzee, Quail N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5mg/ml

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

**External Database
Links**

UniProt:

[P10071](#) [Related reagents](#)

Entrez Gene:

[2737](#) [GLI3](#) [Related reagents](#)

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.

**Histology Positive
Control Tissue**

Human brain, glioblastoma

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

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

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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