

Datasheet for ABIN3044156  
**anti-GLI3 antibody (N-Term)**



[Go to Product page](#)

1 Image 1 Publication

## Overview

Quantity:	100 µg
Target:	GLI3
Binding Specificity:	AA 40-57, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLI3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Transcriptional activator GLI3(GLI3) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Gli3(40-57aa SNEDESPGQTYHRERRNA), different from the related rat sequence by two amino acids, and from the related mouse sequence by one amino acid.
Sequence:	SNEDESPGQTYHRERRNA
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>

## Product Details

Characteristics:	Rabbit IgG polyclonal antibody for Transcriptional activator GLI3(GLI3) detection. Tested with WB in Human,Mouse,Rat. Gene Name: GLI family zinc finger 3 Protein Name: Transcriptional activator GLI3
Purification:	Immunogen affinity purified.

## Target Details

Target:	GLI3
Alternative Name:	GLI3 ( <a href="#">GLI3 Products</a> )

Background: GLI3(Gli-kruppel family member 3), also called ONCOGENE GLI3, encodes a member of the zinc finger gene family related to Kruppel, a gene that is known to regulate development in Drosophila. The GLI3 gene is expressed as an 8.5-kb mRNA in tissues such as testis, myometrium, placenta, and lung, and the protein product(relative molecular mass, 190,000) shows sequence-specific DNA binding. The GLI3 gene is mapped on 7p14.1. GLI3 is homologous to the Drosophila cubitus interruptus(ci) gene product(Ci), which regulates the Patched(pct), gooseberry(gsb), and decapentaplegic(dpp) genes. PKA-dependent processing of vertebrate GLI3 in developing limb generates a potent repressor in a manner antagonized by apparent long-range signaling from posteriorly localized Sonic hedgehog protein. The high relative abundance and potency of GLI3 repressor suggested specialization of GLI3 and its products for negative hedgehog pathway regulation.Coimmunoprecipitation and immunoblot studies showed that GLI3 protein is polyubiquitinated and that its processing depends on proteasome activity. The findings suggested that BTRC is required for GLI3 processing.

Synonyms: ACLS antibody|DNA binding protein antibody|GCPS antibody|Gli 3 antibody|GLI family zinc finger 3 antibody|GLI Kruppel family member GLI 3 antibody|GLI Kruppel family member GLI3(Greig cephalopolysyndactyly syndrome) antibody|GLI Kruppel family member GLI3 antibody|GLI3 antibody|GLI3 C-terminally truncated form antibody|GLI3 form of 190 kDa antibody|GLI3 form of 83 kDa antibody|GLI3 full length protein antibody|GLI3-190 antibody|GLI3-83 antibody|GLI3\_HUMAN antibody|GLI3FL antibody|Glioma associated oncogene family zinc finger 3 antibody|Oncogene GLI3 antibody|PAP A antibody|PAPA 1 antibody|PAPA antibody|PAPA1 antibody|PAPB antibody|PHS antibody|PPD IV antibody|PPDIV antibody|Transcriptional activator GLI3 antibody|Transcriptional repressor GLI3R antibody|Zinc finger protein GLI 3 antibody|Zinc finger protein GLI3 antibody

UniProt: [P10071](#)

## Target Details

Pathways: [Hedgehog Signaling](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

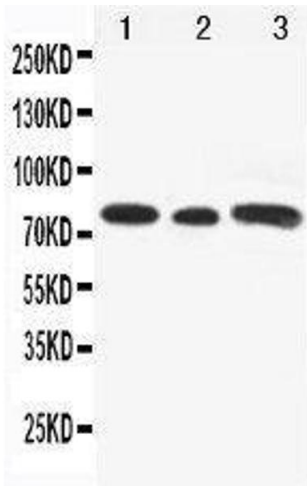
Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months

## Publications

Product cited in: Kumari, Chaurasia, Kumar, Dash: "Anti-apoptotic role of sonic hedgehog on blood platelets." in: **Thrombosis research**, Vol. 134, Issue 6, pp. 1311-5, (2014) ([PubMed](#)).



Western Blotting

**Image 1.** Anti-Gli3 antibody, Western blotting Lane 1: Rat Testis Tissue Lysate Lane 2: A549 Cell Lysate Lane 3: SW620 Cell Lysate