

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GLI-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% cross-reactivity with recombinant mouse GLI-2 and 5% cross-reactivity with recombinant human (rh) GLI-1 and rhGLI-3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GLI-2 Ala2-Glu91 Accession # BAA25668
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Chromatin Immunoprecipitation (ChIP)	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GLI-2 is a 166 kDa biopotential transcription regulator of the hedgehog signaling pathway. It contains 5 conserved tandem C2H2 zinc finger domains that are flanked by a repression domain at the N-terminal region and an activation domain in the C-terminal region. At least four isoforms that differ in their N- or C-terminal regions have been described. Transcriptional activity of GLI-2 is regulated by proteolytic processing and degradation. Within the region used as immunogen, human and mouse GLI-2 share 88% amino acid sequence homology.

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