

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse GLI-3 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) GLI-1 and rhGLI-2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GLI-3 Met1-Glu479 Accession # P10071
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human GLI-3 Recombinant Mouse GLI-3

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human GLI-3 is a 190 kDa transcription factor of the C2H2-type zinc-finger protein family. GLI-3 appears to play a role in limb and brain development, probably through sonic hedgehog signaling. GLI-3 is regulated by PKA-mediated phosphorylation. Unphosphorylated full-length GLI-3 is a transcriptional activator, while phosphorylated GLI-3 is cleaved after amino acid 700 to generate an N-terminal 83 kDa transcriptional repressor. Over the region used as immunogen, human GLI-3 is 95% identical to the corresponding mouse and canine protein sequences.