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GLI3 Rabbit mAb
Catalog # AP75492

Specification

GLI3 Rabbit mAb - Product Information

Application	**WB, ICC**
Primary Accession	Q5IS56
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**169899**

GLI3 Rabbit mAb - Additional Information

Gene ID 463369

Other Names
GLI3

Dilution
WB~~1/500-1/1000
ICC~~N/A

Format
Liquid

GLI3 Rabbit mAb - Protein Information

Name GLI3

Function
Has a dual function as a transcriptional activator and a repressor of the sonic hedgehog (Shh) pathway, and plays a role in limb development. The full-length GLI3 form (GLI3FL) after phosphorylation and nuclear translocation, acts as an activator (GLI3A) while GLI3R, its C-terminally truncated form, acts as a repressor. A proper balance between the GLI3 activator and the repressor GLI3R, rather than the repressor gradient itself or the activator/repressor ratio gradient, specifies limb digit number and identity. In concert with TRPS1, plays a role in regulating the size of the zone of distal chondrocytes, in restricting the zone of PTHLH expression in distal cells and in activating chondrocyte proliferation. Binds to the minimal GLI- consensus sequence 5'-GGGTGGTC-3'. Plays a role in limb and brain development (By similarity).

Cellular Location
Nucleus. Cytoplasm. Cell projection, cilium. Note=GLI3FL is localized predominantly in the cytoplasm while GLI3R resides mainly in the nucleus. Ciliary accumulation requires the presence of KIF7 and SMO Translocation to the nucleus is promoted by interaction with ZIC1 (By similarity).

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GLI3 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GLI3 Rabbit mAb - Images