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anti-GLI3 antibody

3 Images



Overview

Quantity:	100 μL
Target:	GLI3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This GLI3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	Gli3 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Gli3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	GLI3
Alternative Name:	GLI3 (GLI3 Products)
Background:	This gene encodes a protein which belongs to the C2H2-type zinc finger proteins subclass of

the Gli family. They are characterized as DNA-binding transcription factors and are mediators of Sonic hedgehog (Shh) signaling. The protein encoded by this gene localizes in the cytoplasm and activates patched Drosophila homolog (PTCH) gene expression. It is also thought to play a role during embryogenesis. Mutations in this gene have been associated with several diseases, including Greig cephalopolysyndactyly syndrome, Pallister-Hall syndrome, preaxial polydactyly type IV, and postaxial polydactyly types A1 and B. [provided by RefSeq, Jul 2008],ACLS, GCPS, GLI3-190, GLI3FL, PAP-A, PAPA, PAPA1, PAPB, PHS, PPDIV,Cell Biology & Developmental Biology,Epigenetics & Nuclear Signaling,Hedgehog Signaling Pathway,Neuroscience,Signal Transduction,Stem Cells,Transcription Factors,GLI3

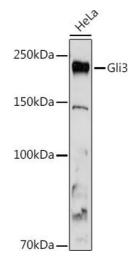
Molecular Weight:	190kDa
Gene ID:	2737
UniProt:	P10071
Pathways:	Hedgehog Signaling

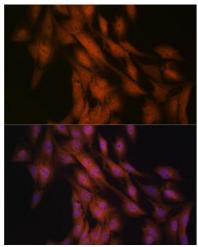
Application Details

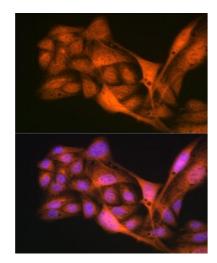
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.







Western Blotting

Image 1. Western blot analysis of extracts of HeLa cells, using Gli3 antibody (ABIN7267385) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

Immunofluorescence

Image 2. Immunofluorescence analysis of C6 cells using Gli3 Rabbit mAb (ABIN7267385) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Immunofluorescence

Image 3. Immunofluorescence analysis of U-2 OS cells using Gli3 Rabbit mAb (ABIN7267385) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.