

#2643 Store at -20°C

GLI1 (L42B10) Mouse mAb



100 µl
 (10 western blots)

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This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

Applications	Species Cross-Reactivity*	Molecular Wt.	Isotype
W, IP Endogenous	H	160 kDa	Mouse IgG1κ**

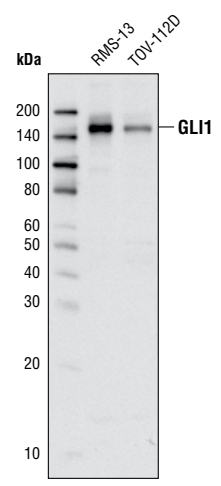
Background: GLI was first identified as a gene amplified in a malignant glioma (1) capable of transforming primary cells in cooperation with adenovirus E1A (2). GLI belongs to the Kruppel family of zinc finger proteins that includes three mammalian GLI proteins: GLI1, GLI2 and GLI3 (3). These GLI proteins are similar to the *Drosophila* homolog Ci (Cubitus interruptus) and function as transcription factors activated by the Hedgehog signaling pathway. Hedgehog signaling plays an important role in animal development and is aberrantly activated in many types of cancers (4,5).

Specificity/Sensitivity: GLI1 (L42B10) Mouse mAb detects endogenous levels of total GLI1 protein.

Source/Purification: Monoclonal antibody is produced by immunizing animals with a recombinant human GLI1 protein.

Background References:

- (1) Kinzler, K.W. et al. (1987) *Science* 236, 70–3.
- (2) Ruppert, J.M. et al. (1991) *Mol Cell Biol* 11, 1724–8.
- (3) Kinzler, K.W. et al. (1988) *Nature* 332, 371–4.
- (4) Ingham, P.W. and McMahon, A.P. (2001) *Genes Dev* 15, 3059–87.
- (5) McMahon, A.P. et al. (2003) *Curr Top Dev Biol* 53, 1–114.



Western blot analysis of extracts from RMS-13 and TOV-112D cells using GLI1 (L42B10) Mouse mAb.

Entrez-Gene ID #2735
Swiss-Prot Acc. #P08151

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

***Species cross-reactivity is determined by western blot.**

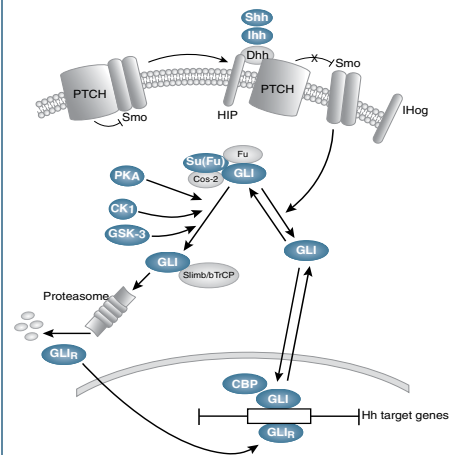
****Anti-mouse secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western Blotting	1:1000
Immunoprecipitation	1:50

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.



IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Applications Key: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide
Species Cross-Reactivity Key: H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine
 Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.