GLI1 (C68H3) Rabbit mAb

Applications | Species Cross-Reactivity* | Molecular Wt. | Isotype |
-------------|--------------------------|---------------|---------|
W, IP        | H                        | 160 kDa       | Rabbit IgG** |
Endogenous   |                          |               |          |

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 (C68H3) Rabbit mAb detects endogenous levels of total GLI1 protein.

Source/Purification: Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly420 of human GLI1.

Background References:

Recommended Antibody Dilutions:
- Western blotting: 1:1000
- Immunoprecipitation: 1:50

For application-specific protocols please see the webpage for this product at www.cellsignal.com.

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

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

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.

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.

Entrez-Gene ID: #2735
UniProt ID: #P08151