| Applications:      | Reactivity:         | Sensitivity:    | MW (kDa): | Source: | UniProt ID:          | Entrez-Gene Id:           |
|--------------------|---------------------|-----------------|-----------|---------|----------------------|---------------------------|
| For Research Use O | nly. Not for Use in | Diagnostic Proc | edures.   |         |                      |                           |
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| at -               | 770) Antibo         | dy              |           |         |                      | Ell Signaling             |

| Applications:<br>WB  | Reactivity:<br>H   | Sensitivity:<br>Transfected<br>Only  | <b>MW (kDa):</b><br>220   | Source:<br>Rabbit  | UniProt ID:<br>#P10070  | Entrez-Gene Id:<br>2736   |  |  |
|--|--|--|---|--|---|---|--|--|
| Product Usage<br>Information   | •  | plication<br>stern Blotting  |   | <b>Dilution</b><br>1:1000  |   |   |  |  |
| Storage  |  | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store a 20°C. Do not aliquot the antibody.   |   |  |   |   |  |  |
| Specificity / Sens   | sitivity GLI   | GLI2 (R770) Antibody detects transfected levels of human GLI2 protein.   |   |  |   |   |  |  |
| Source / Purifica  | · · ·  | Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg770 of human GLI2. Antibodies are purified by peptide affinity chromatography.  |   |  |   |   |  |  |
| BackgroundGLI was first identified as a gene amplified in a malignant glioma (1) capable<br>in cooperation with adenovirus E1A (2). GLI belongs to the Krüppel family of a<br>includes three mammalian GLI proteins: GLI1, GLI2, and GLI3 (3). These GL<br>Drosophila homolog Cubitus interruptus (Ci) and function as transcription fact<br>Hedgehog signaling pathway. Hedgehog signaling plays an important role in<br>research studies have shown that this pathway is aberrantly activated in man<br>GLI2 contains both transcription repression and activation domains (6) and so<br>been reported that may have different activities (7-9). Overexpression of GLI2<br>carcinoma in mice (10), while loss-of-function of GLI2 is associated with pituit<br>1. Kinzler, K.W. et al. (1987) Science 236, 70-3. |  |  |   |  | ppel family of zinc finge<br>(3). These GLI proteins<br>anscription factors activ<br>portant role in animal de<br>tivated in many types o<br>nains (6) and several iso<br>ression of GLI2 in skin o | er proteins that<br>are similar to the<br>ated by the<br>evelopment, and<br>of cancers (4,5).<br>oforms of GLI2 have<br>causes basal cell |  |  |
|  | 3. K<br>4. In<br>5. M<br>6. S<br>7. Ta<br>8. To<br>9. S<br>10. G | inzler, K.W. et al. (1<br>gham, P.W. and M.<br>cMahon, A.P. et al.<br>asaki, H. et al. (199<br>animura, A. et al. (1<br>ojo, M. et al. (2003)<br>peek, M. et al. (2007<br>rachtchouk, M. et al.  | (2003) Curr Top De<br>99) Development 12<br>998) J Virol 72, 395<br>98 J Dermatol 148,<br>96) BMC Mol Biol 7,<br>al. (2000) Nat Gener | 71-4.<br>) Genes Dev 15, 30!<br>ev Biol 53, 1-114.<br>6, 3915-24.<br>i8-64.<br>892-7.<br>13. |   |   |  |  |
| Species Reactivi   | ty Spec  | ies reactivity is det  | ermined by testing i  | n at least one appro   | ved application (e.g., w  | estern blot).   |  |  |
| Western Blot BufferIMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w<br>0.1% Tween® 20 at 4°C with gentle shaking, overnight.  |  |  |   |  |   | % w/v BSA, 1X TBS,  |  |  |
| Applications Key   | WB:  | Western Blotting   |   |  |   |   |  |  |
| Cross-Reactivity   | <b>X</b> : Xe  | <ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul> |   |  |   |   |  |  |
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