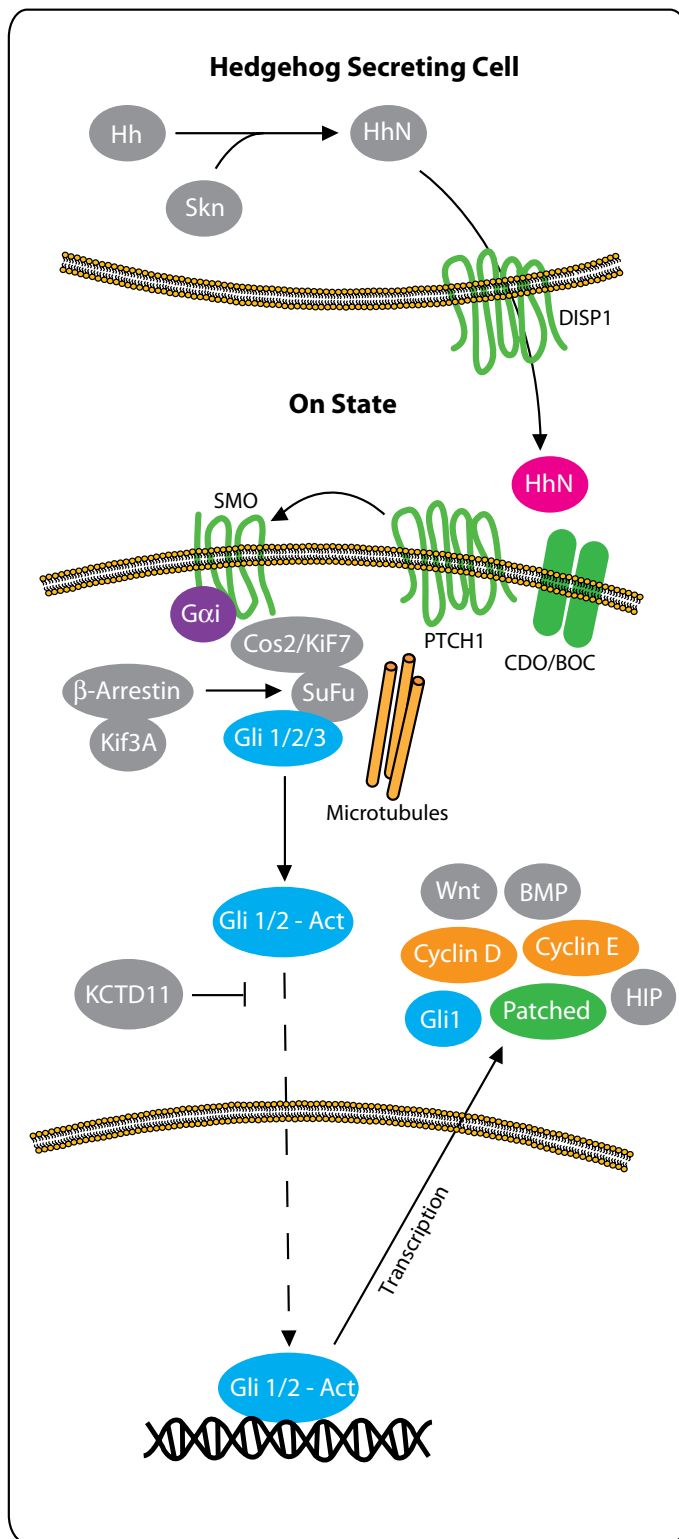
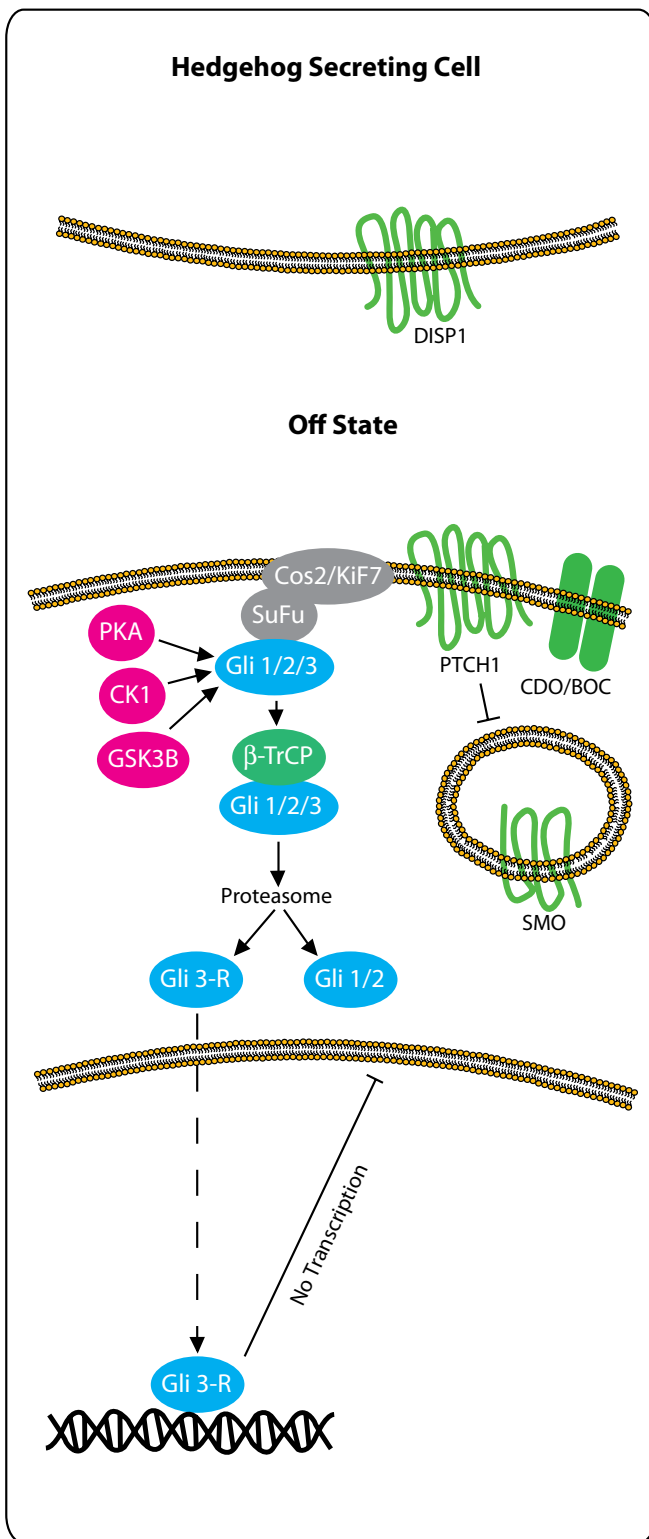


# HEDGEHOG SIGNALING PATHWAY

The Hedgehog pathway is responsible for regulating and coordinating cellular growth and development in the embryo. Under specific time or position-dependent stimuli, cells secrete the hedgehog family ligands (Sonic, Desert, and Indian), whose binding allows the membrane receptors Patched and Smoothed to associate on the primary cilium. This association frees Gli, which translocates to the nucleus and triggers expression of various transcription factors for cell growth. Ultimately, the Hedgehog signaling pathway is fundamental for proper embryo development and defects have been linked to certain types of cancer.



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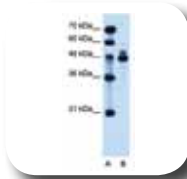
## **Sonic Hedgehog Antibody NBP1-69270**



Immuno-histochemical analysis in human intestine cells using NBP1-69270.

Species: Hu, Mu, Rt, Ca, Ch, Xp, Ze  
Applications: WB, IHC-P

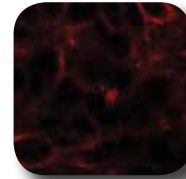
## **Indian Hedgehog Antibody NBP1-59443**



Western blot analysis of HepG2 cell lysates using NBP1-59443.

Species: Hu, Mu, Rt  
Applications: WB, IHC, IHC-P

## **Dispatched Antibody NB100-1408**



Immuno-fluorescent analysis in U87 cells using NB100-1408.

Species: Hu  
Applications: PEP-ELISA, ICC/IF

## **Patched 1 Antibody NBP1-71662**



Western blot analysis of Patched 1 in human skeletal muscle protein using NBP1-71662.

Species: Hu  
Applications: WB

## **Smoothed Antibody 19440002**



Immuno-histochemical analysis in human testis using 19440002.

Species: Hu  
Applications: WB, ELISA, IHC-P

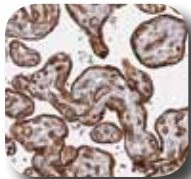
## **CDON/Cdo Antibody NBP1-85700**



Immuno-histochemical analysis of human skeletal muscle using NBP1-85700.

Species: Hu  
Applications: IHC-P

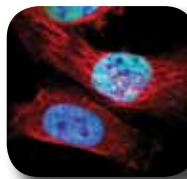
## **KIF7 Antibody NBP1-92056**



Immuno-histochemical analysis in human placenta using NBP1-92056.

Species: Hu  
Applications: WB, IHC-P

## **Suppressor of Fused Antibody NBP1-87384**



Immuno-fluorescent analysis in U-251MG cells using NBP1-87384.

Species: Hu  
Applications: WB, IHC-P, ICC/IF

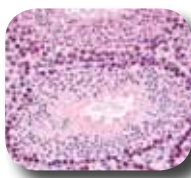
## **Gli1 Antibody NBP1-78259**



Immuno-cytochemical analysis in HepG2 cells using NBP1-78259.

Species: Hu, Mu  
Applications: WB, ICC/IF, IHC-P

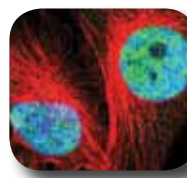
## **Gli2 Antibody NBP1-03303**



Immuno-histochemical analysis in mouse testis using NBP1-03303.

Species: Mu  
Applications: WB, ELISA, IHC-P

## **Gli3 Antibody NBP1-89275**



Immuno-fluorescent analysis in U-251MG cells using NBP1-89275.

Species: Hu  
Applications: ICC/IF, IHC-P

## **GSK3 beta Antibody NB100-92035**



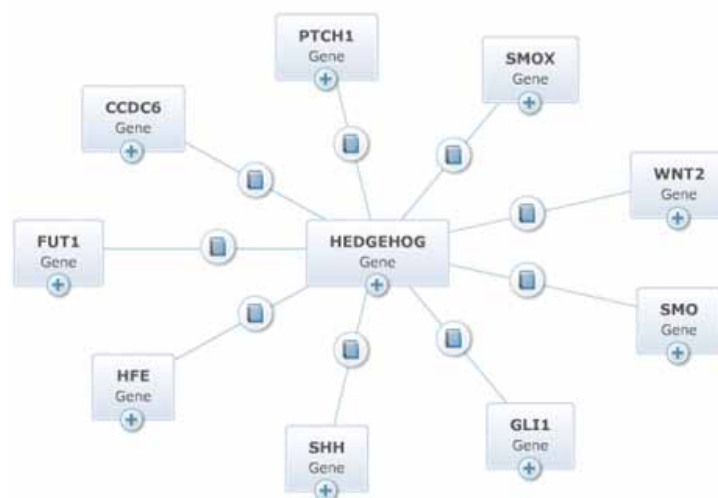
Immuno-histochemical analysis in human breast carcinoma using NB100-92035.

Species: Hu, Mu, Rt  
Applications: WB, IHC-P



## Hedgehog Signaling Pathway Antibodies

| Name                 | Catalog#   | Species                                | Application               |
|----------------------|------------|----------------------------------------|---------------------------|
| Arrestin beta 1      | NBP1-64749 | Hu                                     | WB, ELISA, IHC-P, ICC/IF  |
| Arrestin beta 2      | NBP1-79278 | Hu, Mu, Rt, Bv, Ca, Ch, Po, Rb, Xp, Ze | WB, IHC-P                 |
| BOC                  | NBP1-00162 | Hu, Mu, Bv, Ca                         | PEP-ELISA, WB             |
| CDON/Cdo             | NBP1-55796 | Hu                                     | ELISA, ICC/IF             |
| Cytokeratin 1 (LHK1) | NB100-2756 | Hu                                     | WB, ICC/IF, IHC-Fr, IHC-P |
| Desert Hedgehog      | NBC1-18407 | Hu                                     | ELISA, PAGE               |
| Dispatched           | NB100-1408 | Hu                                     | PEP-ELISA, ICC/IF         |
| Gli1                 | NB600-600  | Hu, Mu                                 | WB, ChIP, ELISA, IHC-P    |
| Gli2                 | NB600-874  | Hu, Rt, Mk                             | WB, ELISA, IHC-P          |
| Gli3                 | NBP1-55571 | Hu, Mu, Rt                             | ELISA, IHC-P, ICC/IF      |
| GSK3 beta            | NBP1-02156 | Hu, Mu, Rt, Sh, Ze                     | WB                        |
| Indian Hedgehog      | NBP1-59443 | Hu, Mu, Rt                             | WB, IHC-P                 |
| KIF7                 | NBP1-46838 | Hu                                     | WB                        |
| Patched 1            | NBP1-71662 | Hu                                     | WB                        |
| Smoothed             | NBP1-71299 | Hu, Mu, Rt                             | WB, ELISA                 |
| Sonic Hedgehog       | NBP1-69270 | Hu, Mu, Rt, Ca, Ch, Xp, Ze             | WB, IHC-P                 |
| Suppressor of Fused  | NBP1-28703 | Hu                                     | IP                        |



### Explore Your Pathways With Novus Explorer

This free bioinformatics tool is designed to facilitate scientific exploration of related genes, diseases and pathways based on co-citations. For more information visit

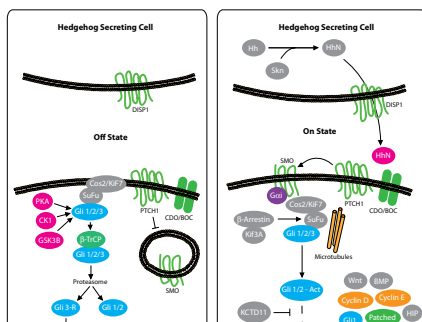
[www.novusbio.com/explorer](http://www.novusbio.com/explorer).

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