Patched (A2) polyclonal antibody

Catalog: BCP01268 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

PTCH (Patched protein homolog 1) is a receptor for sonic hedgehog (SHH), indian hedgehog (IHH) and desert hedgehog (DHH). PTCH associates with the smoothened protein (SMO) to transduce the hedgehog's proteins signal.PTCH has a tumor suppressor function, as inactivation of this protein is probably a necessary, if not sufficient step for tumorigenesis. PTCH is expressed in the adult brain, lung, liver, heart, placenta, skeletal muscle, pancreas and kidney. It is also expressed in tumor cells but not in normal skin. During development PTCH is found in all major target tissues of sonic hedgehog, such as the ventral neural tube, somites, and tissues surrounding the zone of polarizing activity of the limb bud.

Defects in PTCH are probably the cause of basal cell nevus syndrome also known as Gorlin syndrome or Gorlin-Goltz syndrome

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 160 kDa

Swiss-Prot:

Q13635

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

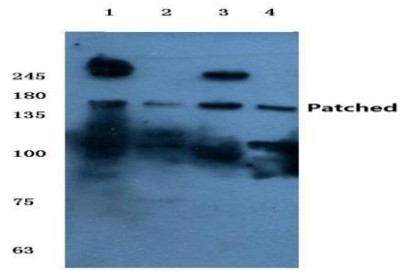
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Patched (A2) polyclonal antibody detects endogenous levels of Patched protein.

DATA:



Western blot (WB) analysis of Patched (A2) polyclonal antibody at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

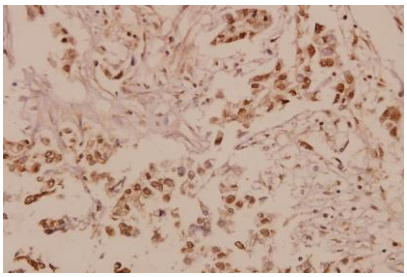
Lane2:PC3 whole cell lysate(40ug)

Lane3:SGC7901 whole cell lysate(40ug)

Lane4:HEK293T whole cell lysate(40ug)

Lane5:The Testis tissue lysate of Mouse(40ug)

Lane6:The Testis tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of Patched (A2) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.

Note:

For research use only, not for use in diagnostic procedure.

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.