

Sonic Hedgehog Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251893

Unit: 0.1 mg

Description:

SHH (Sonic hedgehog) is member of the hedgehog signaling pathway. SHH binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes. In the absence of SHH, PTC represses the constitutive signaling activity of SMO. Sonic hedgehog is an intercellular signal essential for a variety of patterning events during development, such as ventral cell fate in the neural tube and somites, and for patterning of the anterior-posterior axis of the developing limb bud. Defects in sonic hedgehog has been implicated in eye formation disorders and holoprosencephaly, the most common structural anomaly of the brain, in which the developing forebrain fails to correctly separate into right and left hemispheres.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

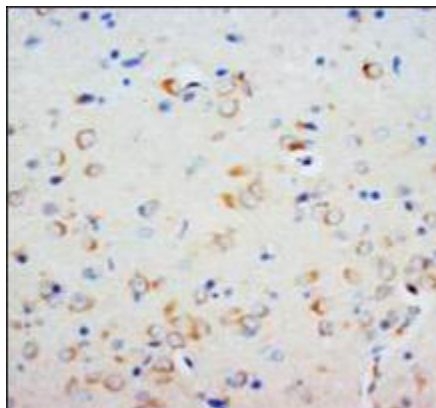
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.2 % BSA with 0.09% sodium azide. Antibody was purified by immunogen-affinity chromatography.

Alternate Names: Sonic hedgehog protein; SHH; HHG-1

Accession No.: Q15465

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human sonic hedgehog.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; ICC: 1:100-1:500



Sonic hedgehog staining in rat brain. Paraffin-embedded rat brain is stained with Sonic Hedgehog Antibody (Cat. No. 251893) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Yang L et al. 2013. Mol Med Rep. 9(2):595-9. PMID# 24247295.

For research use only, not for diagnostic or therapeutic procedures.