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IHH Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant IHH.
Catalog # AT2497a

Product Information

Application	WB
Primary Accession	Q14623
Other Accession	BC034757
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2G9
Calculated MW	45251

Additional Information

Gene ID	3549
Other Names	Indian hedgehog protein, IHH, HHG-2, Indian hedgehog protein N-product, Indian hedgehog protein C-product, IHH
Target/Specificity	IHH (AAH34757, 119 a.a. ~ 217 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	IHH Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

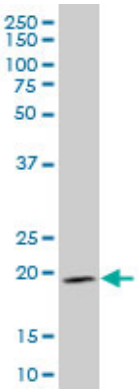
This gene encodes a member of the hedgehog family of secreted signaling molecules. Hedgehog proteins are essential regulators of a variety of developmental processes including growth, patterning and morphogenesis. The encoded protein specifically plays a role in bone growth an differentiation. Mutations in this gene are the cause of brachydactyly type A1 which is characterized by shortening or malformation of the phalanges. Mutations in this gene are also the cause of acrocapitofemoral dysplasia.

References

1.Protease nexin 1 inhibits hedgehog signaling in prostate adenocarcinoma.McKee CM, Xu D, Cao Y, Kabraji

S, Allen D, Kersemans V, Beech J, Smart S, Hamdy F, Ishkanian A, Sykes J, Pintile M, Milosevic M, van der Kwast T, Zafarana G, Ramnarine VR, Jurisica I, Mallof C, Lam W, Bristow RG, Muschel RJ.J Clin Invest. 2012 Nov 1;122(11):4025-36. doi: 10.1172/JCI59348. Epub 2012 Oct 8.

Images



IHH monoclonal antibody (M01), clone 2G9 Western Blot analysis of IHH expression in Jurkat (Cat # L017V1).