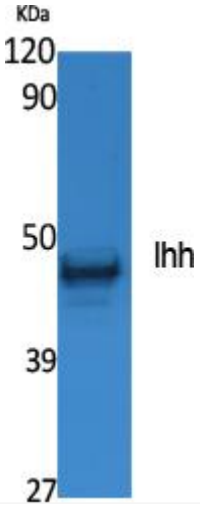
Ihh Monoclonal Antibody

Catalog No	BYmab-15983
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IHH
Protein Name	Indian hedgehog protein
Immunogen	The antiserum was produced against synthesized peptide derived from human Ihh. AA range:209-258
Specificity	Ihh Monoclonal Antibody detects endogenous levels of Ihh protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IHH; Indian hedgehog protein; IHH; HHG-2
Observed Band	45kD
Cell Pathway	[Indian hedgehog protein N-product]: Cell membrane ; Lipid-anchor ; Extracellular side . The N-terminal peptide remains associated with the cell surface. .; [Indian hedgehog protein C-product]: Secreted, extracellular space . The C-terminal peptide diffuses from the cell. .; Cell membrane .
Tissue Specificity	Expressed in embryonic lung, and in adult kidney and liver.
Function	disease:Defects in IHH are a cause of acrocapitofemoral dysplasia (ACFD) [MIM:607778]. ACFD is a disorder characterized by short stature of variable severity with postnatal onset. The most constant radiographic abnormalities are observed in the tubular bones of the hands and in the proximal part of the femur. Cone-shaped epiphyses or a similar epiphyseal configuration with premature epimetaphyseal fusion result in shortening of the skeletal components involved. Cone-shaped epiphyses were also present to a variable extent at the shoulders, knees, and ankles.,disease:Defects in IHH are the cause of brachydactyly type A1 (BDA1) [MIM:112500]. BDA1 is an autosomal dominant disorder characterized by

	middle phalanges of all the digits rudimentary or fused with the terminal phalanges. The proximal phalanges of the thumbs and big toes are short.,function:Intercellular signal essential for a varie
Background	This gene encodes a member of the hedgehog family of proteins. The encoded preproprotein is proteolytically processed to generate multiple protein products, including an N-terminal fragment that is involved in signaling. Hedgehog family proteins are essential secreted signaling molecules that regulate a variety of developmental processes including growth, patterning and morphogenesis. The protein encoded by this gene specifically plays a role in bone growth and differentiation. Mutations in this gene are the cause of brachydactyly type A1, which is characterized by shortening or malformation of the fingers and toes. Mutations in this gene are also the cause of acrocapitofemoral dysplasia. [provided by RefSeq, Nov 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Ihh Monoclonal Antibody