

Rabbit anti-human BMP2 Polyclonal Antibody

Catalog Number: R16007P

General Information	
Immunogen	Recombinant protein of human BMP2
IgG type	IgG
Clonality	Polyclonal
Specificity	human BMP2
Applications & dilution	WB 1:500 - 1:2000 IHC 1:50 - 1:100
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity	≥95% purity by SDS-PAGE
Storage	Store at -20°C. Avoid freeze / thaw cycles.
Abbreviation: ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry	

Background

Bone morphogenetic proteins (BMPs) were first identified as molecules that can induce ectopic bone and cartilage formation. BMPs are synthesized as precursor proteins that are processed by cleavage to produce mature proteins. BMPs initiate signaling by binding to a receptor complex containing type I and type II serine/threonine receptor kinases that then phosphorylate Smad (mainly Smad1, 5 and 8), resulting in the translocation of Smad to the nucleus. BMP was also reported to activate MAPK pathways in some systems.

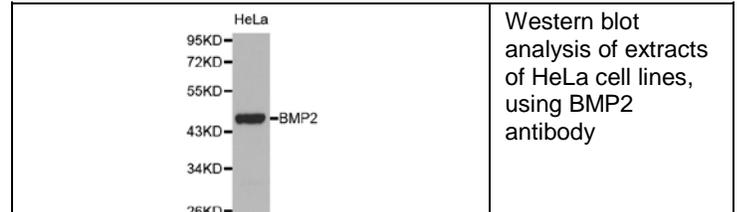
For research use only

Preparation

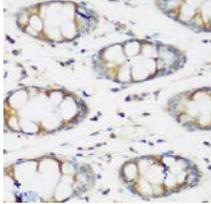
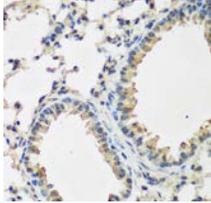
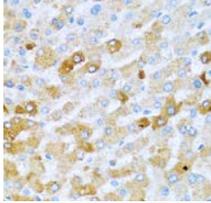
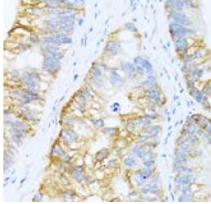
Polyclonal antibody is produced by immunizing rabbit with human BMP2 protein and purified using protein A resin.

Applications

Western blot



Immunohistochemistry

	Immunohistochemistry of paraffin-embedded human colon using BMP2 antibody at dilution of 1:200 (40x lens)
	Immunohistochemistry of paraffin-embedded mouse lung using BMP2 antibody at dilution of 1:200 (40x lens)
	Immunohistochemistry of paraffin-embedded human liver using BMP2 antibody at dilution of 1:100 (40x lens).
	Immunohistochemistry of paraffin-embedded human colon carcinoma using BMP2 antibody at dilution of 1:100 (40x lens).

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.02% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is with this product.