

Recombinant BMP-4 Monoclonal Antibody

catalog number: **AN301282L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

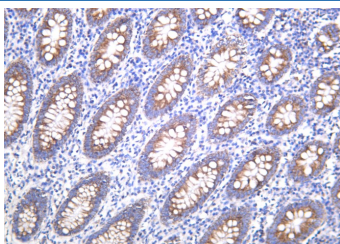
Description

Reactivity	Human
Immunogen	Recombinant Human BMP-4 protein
Host	Rabbit
Isotype	IgG, κ
Clone	B1045
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

IHC	1:200-1:1000
WB	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200

Data



Immunohistochemistry of paraffin-embedded human appendix using Recombinant BMP-4 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Defects in BMP4 are the cause of microphthalmia syndromic type 6 (MCOPS6) [MIM:607932]; also known as microphthalmia and pituitary anomalies or microphthalmia with brain and digit developmental anomalies. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS6 is characterized by microphthalmia/anophthalmia associated with facial, genital, skeletal, neurologic and endocrine anomalies. Induces cartilage and bone formation. Also act in mesoderm induction, tooth development, limb formation and fracture repair. online information: Bone morphogenetic protein 4 entry, similarity: Belongs to the TGF-beta family, subunit: Homodimer; disulfide-linked (By similarity). Interacts with GREM2 (By similarity) and SOSTDC1. Part of a complex consisting of TWSG1 and CHRDL. tissue specificity: Expressed in the lung and lower levels seen in the kidney. Present also in normal and neoplastic prostate tissues, and prostate cancer cell lines.

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