BMP4 Antibody

Catalog No: #35652

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

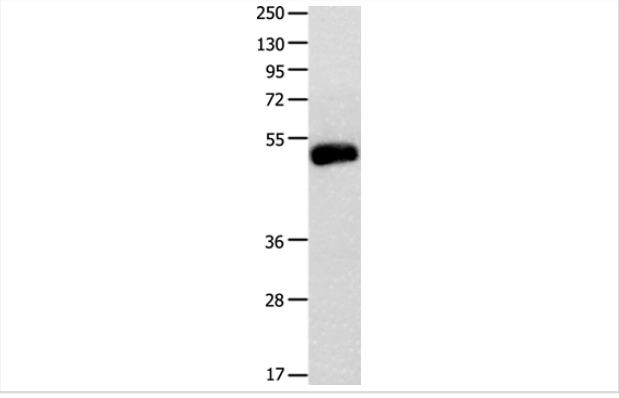
Product Name	BMP4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total BMP4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human bone morphogenetic protein 4
Target Name	BMP4
Other Names	ZYME; BMP2B; OFC11; BMP2B1; MCOPS6
Accession No.	Swiss-Prot#: P12644NCBI Gene ID: 652Gene Accssion: BC020546
Uniprot	P12644
GeneID	652;
SDS-PAGE MW	47kd
Concentration	0.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

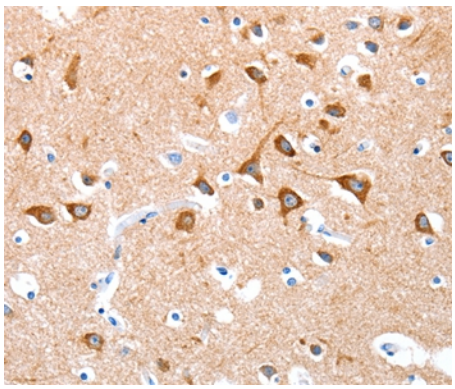
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images



Gel: 10+12%SDS-PAGE
Lysates (from left to right): Mouse intestinumm tenue tissue
Amount of lysate: 50ug per lane
Primary antibody: 1/450 dilution
Secondary antibody dilution: 1/8000
Exposure time: 20 minutes



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #35652 at dilution 1/25.

Background

The protein encoded by this gene is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. This particular family member plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5' untranslated region of this gene has been described and three variants are described, all encoding an identical protein.

Note: This product is for in vitro research use only