



BMP-15 Monoclonal Antibody

Catalog No	YP-mAb-16063
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BMP15
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human BMP15. AA range:291-340
Specificity	BMP-15 Monoclonal Antibody detects endogenous levels of BMP-15 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BMP 15;BMP15;BMP-15;bone morphogenetic protein 15;GDF 9B;GDF9B;ODG2;POF4;Growth/differentiation factor 9B;GDF-9B
Observed Band	45kD
Calculated Molecular Weight	45kD
Cell Pathway	Secreted.
Tissue Specificity	
Function	disease:Defects in BMP15 are the cause of ovarian dysgenesis 2 (ODG2) [MIM:300510]; also called X-linked hypergonadotropic ovarian dysgenesis or hypergonadotropic ovarian failure due to ovarian dysgenesis. Hypergonadotropic ovarian failure is a heterogeneous disorder that, in the most severe forms, is a result of ovarian dysgenesis (OD) or ovarian defective development. OD accounts for about half of the cases of primary amenorrhea., function:May be involved in follicular development. Oocyte-specific growth/ differentiation factor that stimulates folliculogenesis and granulosa cell (GC) growth.,miscellaneous:The mature protein migrates in two distinct mature proteins, P16 (16KDa) and P17 (17KDa).,similarity:Belongs to the TGF-beta family.,subunit:Homodimer. But, in contrast to other members of this family,



cannot be disulfide-linked.,

Background

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate subunits of a disulfide-linked homodimer, or alternatively, a heterodimer, with the related protein, growth differentiation factor 9 (GDF9). This protein plays a role in oocyte maturation and follicular development, through activation of granulosa cells. Defects in this gene are the cause of ovarian dysgenesis and are associated with premature ovarian failure. [provided by RefSeq, Aug 2016],

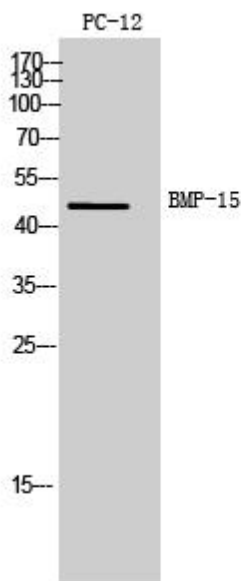
matters needing attention

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 BMP-15 Monoclonal Antibody