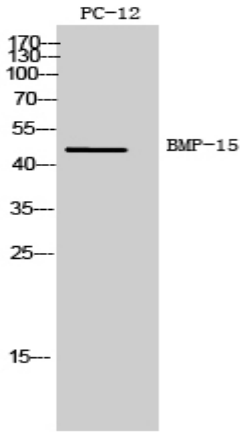
Best Tools for immunology Research

BMP-15 Polyclonal Antibody

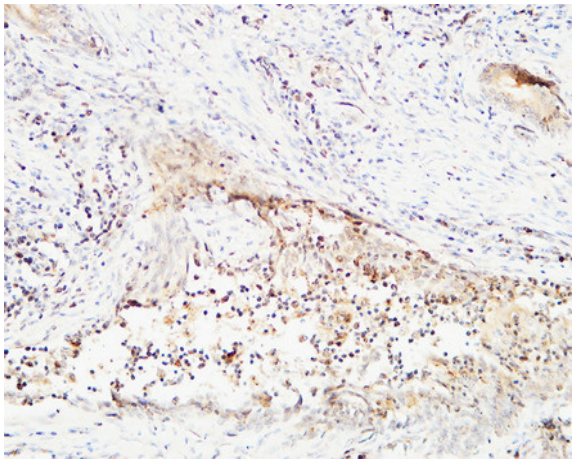
Catalog No :	YT5650
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	BMP-15
Fields :	>>Cytokine-cytokine receptor interaction;>>Ovarian steroidogenesis
Gene Name :	BMP15
Protein Name :	Bone morphogenetic protein 15
Human Gene Id :	9210
Human Swiss Prot No :	O95972
Mouse Gene Id :	12155
Mouse Swiss Prot No :	Q9Z0L4
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human BMP15. AA range:291-340
Specificity :	BMP-15 Polyclonal Antibody detects endogenous levels of BMP-15 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC: 100-300.WB 1:500 - 1:2000. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	45kD
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],
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.,
Subcellular Location :	Secreted.
Sort :	2793
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western Blot analysis of PC12 cells using BMP-15 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human prostatic cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).