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anti-BMP15 antibody

2 Images



Go to Product page

Overview

Quantity:	100 μL
Target:	BMP15
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This BMP15 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	BMP15 Rabbit mAb
Immunogen:	A synthesized peptide derived from human BMP15
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	BMP15
Alternative Name:	BMP15 (BMP15 Products)
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],GDF9B, ODG2, POF4,Angiogenesis,Cardiovascular,Cell Biology & Developmental Biology,Cytokines,Germline Stem Cells,Growth factors,Immunology & Inflammation,NF-kB Signaling Pathway,Signal Transduction,Stem Cells,Wnt/β-Catenin Signaling Pathway,BMP15

Molecular Weight: 50kDa

Gene ID: 9210

UniProt: 095972

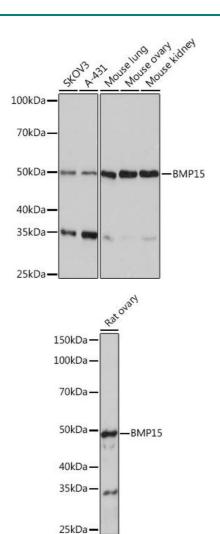
Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using BMP15 Rabbit mAb (ABIN7265896) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.

Western Blotting

Image 2. Western blot analysis of extracts of Rat ovary, using BMP15 Rabbit mAb (ABIN7265896) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.