

Datasheet for 600-401-Z80**BMP15 Antibody****Overview**

Description:	Anti-BMP15 (RABBIT) Antibody - 600-401-Z80
Item No.:	600-401-Z80
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	BMP15, or GDF9B is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily that are involved in embryonic development and adult tissue homeostasis. BMP15 is expressed exclusively in the oocyte. It is an oocyte-specific growth/differentiation factor that may be involved in oocyte maturation and follicular development. Defects in BMP15 are the cause of ovarian dysgenesis type 2. BMP15 could be used as an oogenesis marker to track human amniotic fluid stem cells differentiation into the oocyte-like cells.
Synonyms:	BMP15 Antibody, ODG2, POF4, GDF9B, Bone morphogenetic protein 15, BMP-15
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BMP15
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BMP15 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human BMP15.

Purity/Specificity: Anti-BMP15 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. It is closely related to GDF9.

Relevant Links:

- [UniProtKB - O95972](#)
- [GeneID - 9210](#)
- [NCBI - NP_005439](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-BMP15 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 14 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 2.5 µg/mL

WB: 1 - 2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

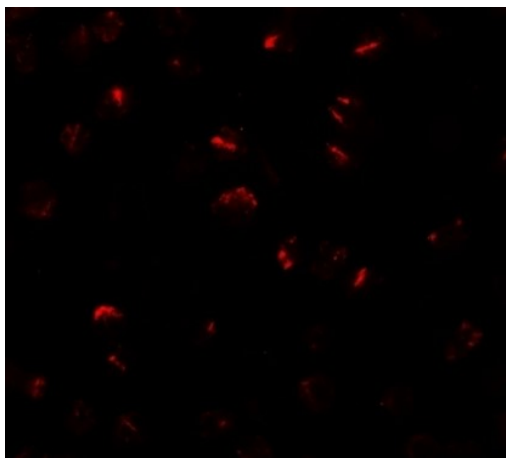
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence of BMP15.

Cell: 3T3 cells.

Primary Antibody: BMP15 antibody at 20 µg/mL.

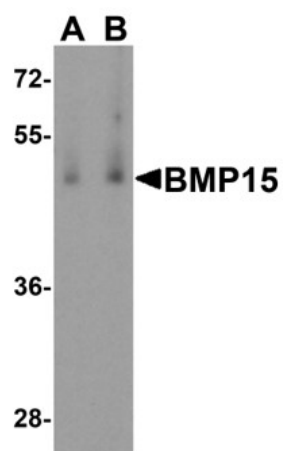


Immunocytochemistry

Immunocytochemistry of BMP15.

Cell: 3T3 cells.

Primary Antibody: BMP15 antibody at 2.5 µg/mL.



Western Blot

Western blot analysis of BMP15.

Load: human testis tissue lysate.

Primary Antibody: BMP15 antibody at (A) 1 and (B) 2 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.