


Product datasheet

Anti-BMP15 antibody [EPR5137] ab108413

Recombinant **RabMAb**

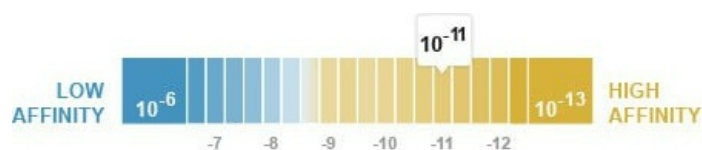
[1 Abreviews](#) [2 References](#) [4 Images](#)

Overview

Product name	Anti-BMP15 antibody [EPR5137]
Description	Rabbit monoclonal [EPR5137] to BMP15
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt (Intra) Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Ovary cancer, uterus, HL-60, NIH:OVCAR-3, Human testis, and HeLa cell lysates; Hela cells
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 8.80 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer pH: 7.20

Preservative: 0.05% Sodium azide
Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant

Purity Protein A purified
Clonality Monoclonal
Clone number EPR5137
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108413 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 45 kDa.
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

Function May be involved in follicular development. Oocyte-specific growth/differentiation factor that stimulates folliculogenesis and granulosa cell (GC) growth.

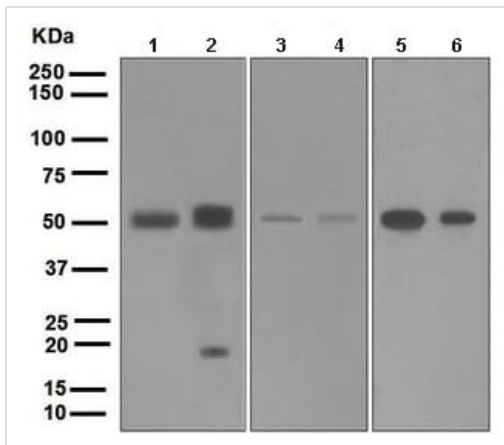
Involvement in disease Defects in BMP15 are the cause of ovarian dysgenesis type 2 (ODG2) [MIM:300510]; also known as X-linked hypergonadotropic ovarian dysgenesis or hypergonadotropic ovarian failure due to ovarian dysgenesis. Ovarian dysgenesis leads to ovarian failure and accounts for about half of the cases of primary amenorrhea.

Defects in BMP15 are the cause of premature ovarian failure type 4 (POF4) [MIM:300510]. An ovarian disorder defined as the cessation of ovarian function under the age of 40 years. It is characterized by oligomenorrhea or amenorrhea, in the presence of elevated levels of serum gonadotropins and low estradiol.

Sequence similarities Belongs to the TGF-beta family.

Cellular localization Secreted.

Images



Western blot - Anti-BMP15 antibody [EPR5137]
(ab108413)

All lanes : Anti-BMP15 antibody [EPR5137] (ab108413) at 1/1000 dilution

Lane 1 : Ovary cancer tissue lysate

Lane 2 : Uterus tissue lysate

Lane 3 : HL-60 cell lysate

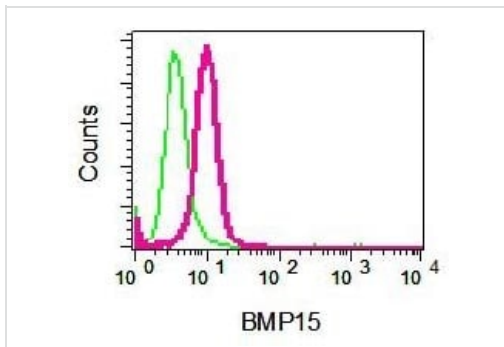
Lane 4 : NIH:OVCAR-3 cell lysate

Lane 5 : Human testis tissue lysate

Lane 6 : HeLa cell lysate

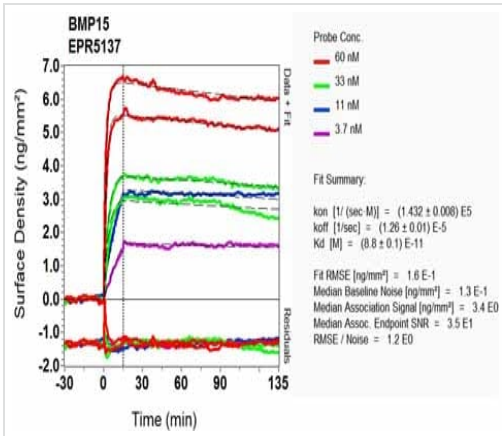
Lysates/proteins at 10 µg per lane.

Predicted band size: 45 kDa



Flow Cytometry (Intracellular) - Anti-BMP15 antibody
[EPR5137] (ab108413)

Intracellular flow cytometric analysis of BMP15 in permeabilized HeLa cells using ab108413 at 1/10 dilution (red) or a rabbit IgG (negative) (green).



OI-RD Scanning - Anti-BMP15 antibody [EPR5137]
(ab108413)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-BMP15 antibody [EPR5137] (ab108413)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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