

Product datasheet

Anti-BMP15 antibody ab231261

6 Images

Overview

Product name	Anti-BMP15 antibody
Description	Rabbit polyclonal to BMP15
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse
Immunogen	<p>Recombinant fragment (His-T7-tag) corresponding to Mouse BMP15 aa 274-390. Expressed in E. coli. N-terminal tags.</p> <p>Sequence:</p> <p>SDASCPSQEHDGSVNNQCSSLHPYKVSFHLGWDHWI IAPRLYTPNYCKGI CTRVLPYGLNSPNHAIQSLVNELVNHSVPQPSCVPYN FLPMSILLIETN GSILYKEYEGMIAQSCTCR</p> <p>Database link: Q9Z0L4</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	IHC-P: Mouse liver, testis, brain and kidney tissues. WB: Recombinant mouse BMP15 protein; Mouse testis tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol</p>
Purity	Protein A purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab231261** 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		Use a concentration of 0.5 - 2 µg/ml.
IHC-P		Use a concentration of 5 - 20 µg/ml.

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.

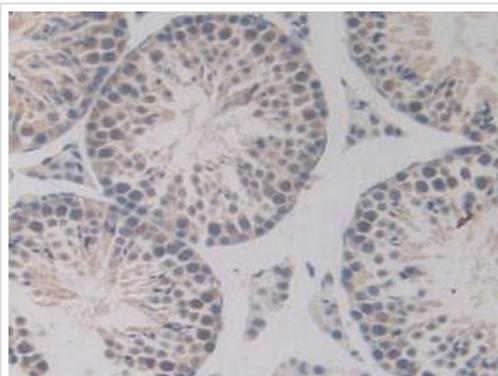
Sequence similarities

Belongs to the TGF-beta family.

Cellular localization

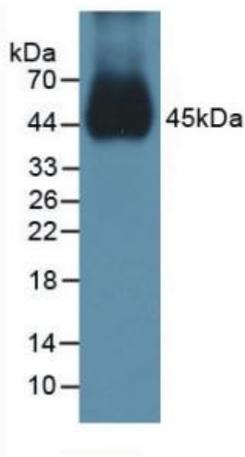
Secreted.

Images



Formalin-fixed, paraffin-embedded mouse testis tissue stained for BMP15 using ab231261 at 20 µg/mL in immunohistochemical analysis. DAB-staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BMP15 antibody (ab231261)



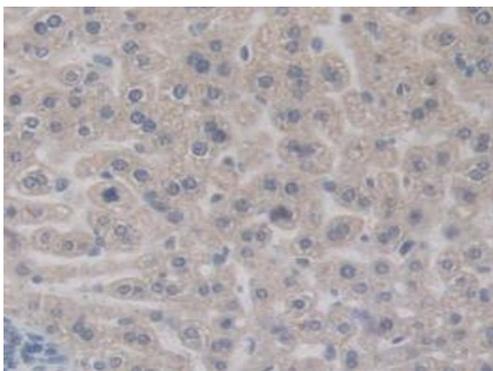
Western blot - Anti-BMP15 antibody (ab231261)

Anti-BMP15 antibody (ab231261) at 1 $\mu\text{g/ml}$ + Mouse testis tissue lysate

Secondary

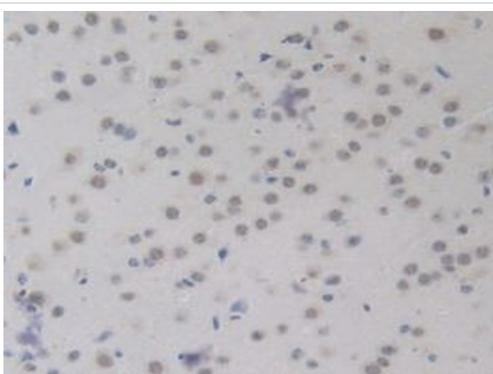
HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Developed using the ECL technique.



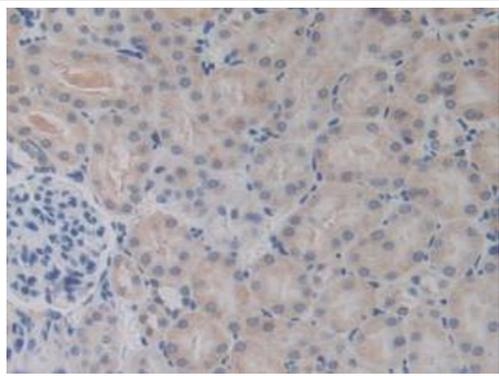
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BMP15 antibody (ab231261)

Formalin-fixed, paraffin-embedded mouse liver tissue stained for BMP15 using ab231261 at 20 $\mu\text{g/mL}$ in immunohistochemical analysis. DAB-staining.



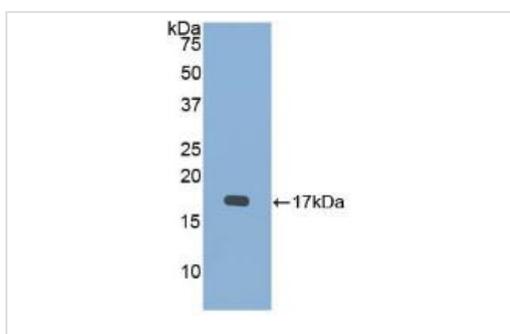
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BMP15 antibody (ab231261)

Formalin-fixed, paraffin-embedded mouse brain tissue stained for BMP15 using ab231261 at 20 $\mu\text{g/mL}$ in immunohistochemical analysis. DAB-staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BMP15 antibody (ab231261)

Formalin-fixed, paraffin-embedded mouse kidney tissue stained for BMP15 using ab231261 at 20 µg/mL in immunohistochemical analysis. DAB-staining.



Western blot - Anti-BMP15 antibody (ab231261)

Anti-BMP15 antibody (ab231261) at 2 µg/ml + Recombinant mouse BMP15 protein

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