ARG44558
anti-BMP15 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BMP15
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BMP15
Species	Human
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human BMP15
Conjugation	Un-conjugated
Alternate Names	BMP15; Bone Morphogenetic Protein 15; GDF9B; Growth/Differentiation Factor 9B; BMP-15; GDF-9B; ODG2; POF4

Application Instructions

Application table

Application	Dilution
IHC-P	0.5-1 µg/ml
WB	0.1-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

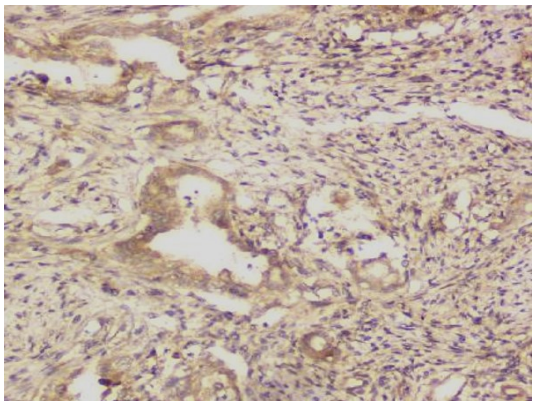
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

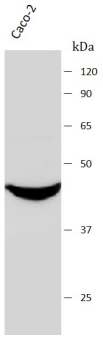
Gene Symbol	BMP15
Gene Full Name	Bone Morphogenetic Protein 15
Background	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription 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	May be involved in follicular development. Oocyte-specific growth/differentiation factor that stimulates folliculogenesis and granulosa cell (GC) growth. [UniProt]
Research Area	Premature ovarian failure. [UniProt]
Calculated Mw	45 kDa
PTM	Secreted. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



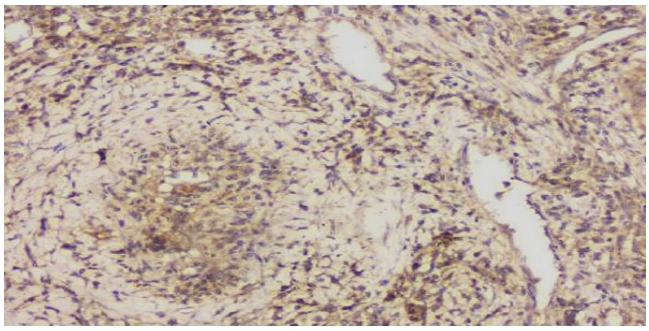
ARG44558 anti-BMP15 antibody IHC-P image

Immunohistochemistry: Human intestinal stained cancer with ARG44558 anti-BMP15 antibody at 1 µg/ml dilution.



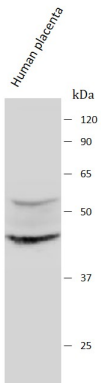
ARG44558 anti-BMP15 antibody WB image

Western blot: Caco-2 stained with ARG44558 anti-BMP15 antibody at 0.5 µg/ml dilution.



ARG44558 anti-BMP15 antibody IHC-P image

Immunohistochemistry: Human lung cancer stained with ARG44558 anti-BMP15 antibody at 1 µg/ml dilution.



ARG44558 anti-BMP15 antibody WB image

Western blot: Human placenta stained with ARG44558 anti-BMP15 antibody at 0.5 µg/ml dilution.