

# Anti-Myelin Basic Protein (region 119-131) [MBP2]

**Catalogue number:** 153639

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:**

**Institute:** BioServ UK Ltd

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Myelin Basic Protein (region 119-131) [MBP2]

**Alternate name:** Myelin basic protein, MBP, 2 kDa microtubule-stabilizing protein, Myelin A1 protein

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Myelin Basic Protein (MBP) is involved in the process of myelination of nerves in the nervous system. MBP Clone 2 recognizes an epitope in the 119-131 region of MBP, useful in clinical diagnosis to detect MBP levels in human, rat and cow MBP.

**Purpose:** Marker

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Bovine ; Human ; Guinea Pig ; Pig ; Rat ; Rabbit ; Sheep

**Selectivity:**

**Host:** Mouse

**Immunogen:** Recognises bovine MBP, in the region of residues 119-131 (GAEGQRPFGYGG)

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

Brain tissue

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Myelin Basic Protein (region 119-131)

**Target alternate names:**

**Target background:** Myelin Basic Protein (MBP) is involved in the process of myelination of nerves in the nervous system. MBP Clone 2 recognizes an epitope in the 119-131 region of MBP, useful in clinical diagnosis to detect MBP levels in human, rat and cow MBP.

**Molecular weight:** 13-21 kDa

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; IF ; IP ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Amanatullah et al. 2017. Breast Cancer Res. 19(1):121. PMID: 29141657. ; Local estrogen axis in the human bone microenvironment regulates estrogenreceptor-positivebreast cancer cells. ; Wilsher et al. 2013. Reproduction. 145(6):541-54. PMID: 23550169. ; Ovarian and placental morphology and endocrine functions in the pregnant giraffe (*Giraffa camelopardalis*). ; Campbell et al. 2012. Endocrinology. 153(9):4533-43. PMID: 22778215. ; The role of anti-Müllerian hormone (AMH) during follicle development in a monovulatory species (sheep). ; Mlodawska et al. 2010. Theriogenology. 74(9):1707-12. PMID: 20932560. ; Immunohistochemical localization of aromatase during the development and atresia of ovarian follicles in prepubertal horses. ; Catalano et al. 2010. J Biol Chem. 285(8):5581-93. PMID: 20026603. ; Farnesoid X receptor, through the binding with steroidogenic factor 1-responsive element, inhibits aromatase expression in tumor Leydig cells. ; Sirianni et al. 2009. J Biol Chem. 284(42):28905-16. PMID: 19679653. ; Inhibition of cyclooxygenase-2 down-regulates aromatase activity and decreases proliferation of Leydig tumor cells. ; Rago et al. 2007. Reprod Biol Endocrinol. 5:23. PMID: 17553131. ; Cytochrome P450arom, androgen and estrogen receptors in pig sperm. ; Rago et al. 2005. Reprod Biol Endocrinol. 3:72. PMID: 16372909. ; Cytochrome P450 aromatase expression in human seminoma. ; Pakarainen et al. 2005. Mol Endocrinol. 19(10):2591-602. PMID: 15941853. ; Knockout of luteinizing hormone receptor abolishes the effects of follicle-stimulating hormone on preovulatory maturation and ovulation of mouse graafian follicles. ; Fazleabas et al. 2003. Fertil Steril. 80 Suppl 2:820-7. PMID: 14505759. ; Steroid receptor and aromatase expression in baboon endometriotic lesions. ; Turner et al. 2002. J Endocrinol. 172(1):21-30. PMID: 11786371. ; Development and validation of a new monoclonal antibody to mammalian aromatase.