



# STEAP4 Mouse mAb

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Catalog No                  | YP-mAb-04225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applications                | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Name                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                   | Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human STEAP4 (NP_001192245)                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formulation                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purification                | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dilution                    | WB 1:500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Concentration               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Stability           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms                    | TNFAIP9;STEAP family member 4;STAMP2;Six-transmembrane epithelial antigen of prostate 4;STEAP4;Metalloreductase STEAP4;SixTransMembrane protein of prostate 2;Tumor necrosis factor;alpha-induced protein 9;TIARP; SchLAH                                                                                                                                                                                                                                                                                                                              |
| Observed Band               | 52kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Calculated Molecular Weight | 52kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cell Pathway                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tissue Specificity          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Function                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Background                  | The protein encoded by this gene belongs to the STEAP (six transmembrane epithelial antigen of prostate) family, and resides in the golgi apparatus. It functions as a metalloreductase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+), using NAD(+) as acceptor. Studies in mice and human suggest that this gene maybe involved in adipocyte development and metabolism, and may contribute to the normal biology of the prostate cell, as well as prostate cancer progression. Alternatively spliced transcript variants |



encoding different isoforms have been found for this gene.

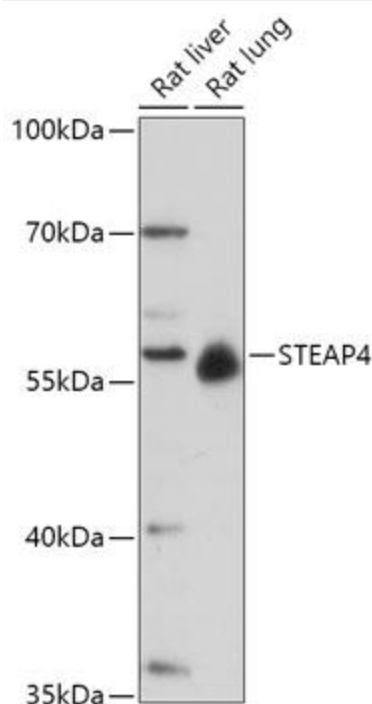
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of various lysates using STEAP4 Mouse pAb (A17767) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s