

## Rabbit anti-Human, Mouse B2M Polyclonal Antibody | anti-B2M antibody

B2M Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                           |
|-----------|--------|--------------|--------------------------------------------------------|
| AAA37305  | Rabbit | Human, Mouse | Immunofluorescence, Immunohistochemistry, Western Blot |

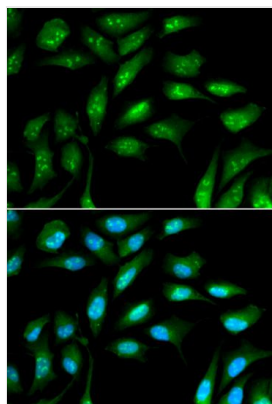
### PRODUCT SYNONYMS

B2M; Polyclonal Antibody; B2M Polyclonal Antibody; beta-2-microglobulin; anti-B2M antibody

### PRODUCT SPECIFICATIONS

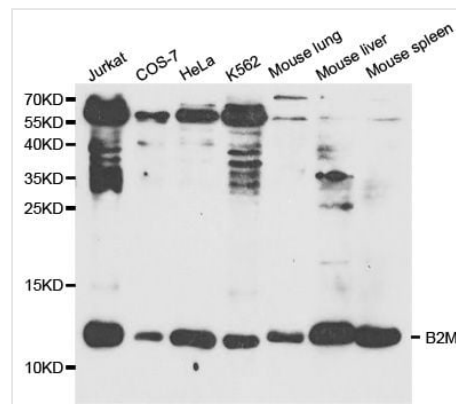
|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                |
| Reactivity                                    | Human, Mouse                                                                                                                                          |
| Clonality                                     | Polyclonal                                                                                                                                            |
| Isotype                                       | IgG                                                                                                                                                   |
| Purity/Purification                           | Affinity Purification                                                                                                                                 |
| Concentration                                 | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                               | 119                                                                                                                                                   |
| Applicable Applications for anti-B2M antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Species                                       | Human                                                                                                                                                 |
| Immunogen                                     | Recombinant Protein                                                                                                                                   |
| Immunogen                                     | Recombinant protein of human B2M                                                                                                                      |
| Calculated Molecular Weight                   | 14kDa                                                                                                                                                 |
| Preparation and Storage                       | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using B2M antibody. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using B2M antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-B2M antibody | beta2-microglobulin (B2M) is a principal component of the Major Histocompatibility Complex (MHC) class I molecule, a ternary membrane protein complex that displays fragments derived from proteolyzed cytosolic proteins on the surface of cells for recognition by the surveillance immune system (1,2). As an integral component of the MHC class I complex, beta2-microglobulin plays a critically important role in immune system function (3). It has important relevance to cancer biology research; for example, research studies have shown that nearly one-third of diffuse large B cell lymphomas contain mutations that inactivate beta2-microglobulin gene function, thereby allowing tumor cells to escape immune detection (4). In additon, beta2-microglobulin has been identified as an amyloid preprotein with collagen-binding affinity (5); its accumulation in osteoarthritic lesions of long-term dialysis patients is reportedly a contributing factor to the condition known as amyloid osteoarthropathy (6). |
| Product Categories/Family for anti-B2M antibody   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| NCBI GI #                        | 48428791                                                                      |
| NCBI GeneID                      | 567                                                                           |
| UniProt Accession #              | P61769; P01884; Q540F8; Q6IAT8; Q9UCK0; Q9UD48; Q9UDF4                        |
| Molecular Weight                 | 119                                                                           |
| NCBI Official Full Name          | Beta-2-microglobulin                                                          |
| NCBI Official Synonym Full Names | beta-2-microglobulin                                                          |
| NCBI Official Symbol             | B2M                                                                           |
| NCBI Protein Information         | beta-2-microglobulin; beta-2-microglobin; beta chain of MHC class I molecules |
| UniProt Protein Name             | Beta-2-microglobulin                                                          |
| UniProt Gene Name                | B2M                                                                           |
| UniProt Entry Name               | B2MG_HUMAN                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/b2m-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37305>