

Rabbit anti-Human Beta-2 microglobulin Polyclonal Antibody | anti-B2M antibody

Beta-2 microglobulin Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258634	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

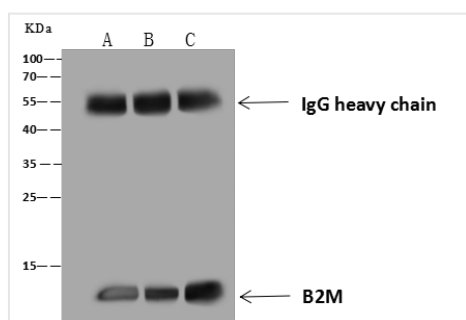
PRODUCT SYNONYMS

Beta-2 microglobulin; Polyclonal Antibody; Beta-2 microglobulin Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-Beta-2 microglobulin Antibody; anti-B2M antibody

PRODUCT SPECIFICATIONS

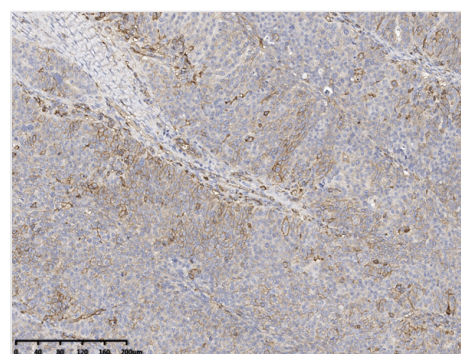
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human Beta-2 microglobulin
Applicable Applications for anti-B2M antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Preparation	Produced in rabbits immunized with purified, recombinant Human Beta-2 microglobulin (rh Beta-2 microglobulin;NP_004039.1; Met1-Met119). Beta-2 microglobulin specific IgG was purified by Human Beta-2 microglobulin affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

B2M was immunoprecipitated using;; Lane A:0.5 mg A-431 Whole Cell Lysate; Lane B:0.5 mg HeLa Whole Cell Lysate; Lane C:0.5 mg HL-60 Whole Cell Lysate; 4 uL anti- B2M rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G.; Primary antibody;; Anti- B2M rabbit polyclonal antibody,at 1:100 dilution; Secondary antibody;; Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution; Developed using the ECL technique.; Performed under reducing conditions.; Predicted band size: 14kDa; Observed band size :12 kDa



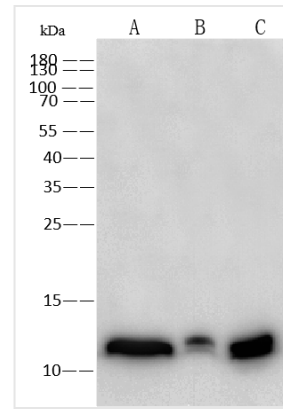
IHC (Immunohistochemistry)

Immunochemical staining of human Beta-2 microglobulin in human ovarian cancer with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human Beta-2 microglobulin in human renal carcinoma with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-Beta-2 microglobulin rabbit polyclonal antibody at 1:500 dilution; Lane A: A-431 Whole Cell Lysate; Lane B: HeLa Whole Cell Lysate; Lane C: HL60 Whole Cell Lysate; Lysates/proteins at 30 ug per lane.; Secondary; Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.; Developed using the ECL technique.; Performed under reducing conditions.; Predicted band size:14 kDa; Observed band size:12 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody	B2M, also known as beta2-Microglobulin or CDABP0092, is a component of MHC class I molecules found expression in all nucleated cells (excludes red blood cells). The major function of MHC class I molecules is to display fragments of proteins from within the cell to T-cells and cells containing foreign proteins will be attacked. B2M (beta2-Microglobulin) is a low molecular weight protein. It was demonstrated that B2M (beta2-Microglobulin) was localized in the membranes of nucleated cells and was found to be associated with HL-A antigens. B2M (beta2-Microglobulin) is present in free form in various body fluids and as a subunit of histocompatibility antigens on cell surfaces lateral to the alpha3 chain. Unlike alpha3, beta2 has no transmembrane region. Directly above beta2 lies the alpha1 chain, which itself is lateral to the alpha2. In the absence of B2M (beta2 microglobulin), very limited amounts of MHC class I (classical and non-classical) molecules can be detected on the surface. In the absence of MHC class I, CD8 T cells, a subset of T cells involved in the development of acquired immunity cannot develop. Low levels of B2M (beta2 microglobulin) can indicate non-progression of HIV.
Product Categories/Family for anti-B2M antibody	Bio-Markers ; Drug Targets ; Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757826
NCBI GeneID	567
NCBI Accession #	NP_004039.1
NCBI GenBank Nucleotide #	NM_004048.2
UniProt Accession #	P61769 ; P01884 ; Q540F8 ; Q6IAT8 ; Q9UCK0 ; Q9UD48 ; Q9UDF4
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 chain of MHC class I molecules; beta-2-microglobin
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/beta-2-microglobulin-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/258634>