

Rabbit anti-Mouse, Human B2M/Beta 2 Microglobulin Polyclonal Antibody | anti-B2M antibody

B2M/Beta 2 Microglobulin Rabbit anti-Human Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162825	Rabbit	Mouse, Human	Western Blot, Immunohistochemistry, Immunohistochemistry, Immunofluorescence

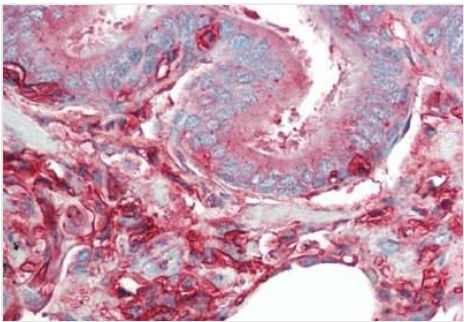
PRODUCT SYNONYMS

B2M/Beta 2 Microglobulin; Polyclonal Antibody; B2M/Beta 2 Microglobulin Rabbit anti-Human Polyclonal Antibody; PathPlus B2M/Beta 2 Microglobulin Antibody; B2M; Beta 2 Microglobulin; Beta-2-microglobulin; Beta-2-microglobin; anti-B2M antibody

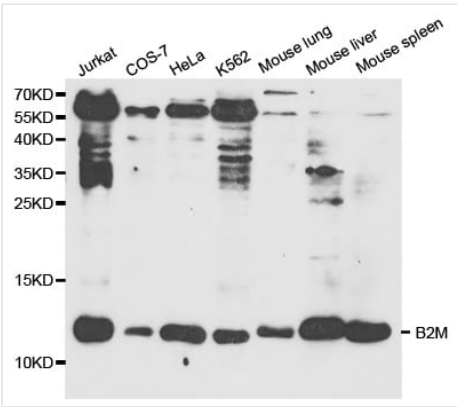
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human B2M/Beta 2 Microglobulin
Purity/Purification	Affinity purified
Form/Format	PBS, 50% glycerol, pH7.3
Concentration	3.06mg/ml (varies by lot)
Applicable Applications for anti-B2M antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)
Target	Human B2M/Beta 2 Microglobulin
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 21-119 of human B2M (NP_004039.1). IQRTPKIQVYSRHPAENGKSNFLNCYVSGFHPSDIEVDLLKNGERIEKVEHSDLSFSKDWSFYLLYYTEFTPTKDEYACRVNHVTLTSQPKIVKWDRDM
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze-thaw cycles.

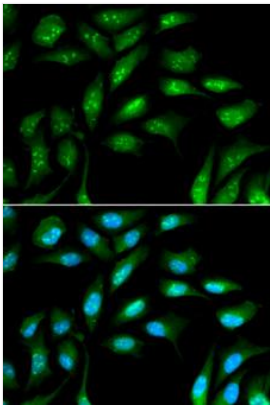
IMAGES



IHC (Immunohistochemistry)
B2M/Beta 2 Microglobulin Antibody-Human Lung: Formalin-Fixed, Paraffin-Embedded (FFPE), at a dilution of 1:200.



WB (Western Blot)
B2M/Beta 2 Microglobulin Antibody-Western blot analysis of extracts of various cell lines, using B2M antibody at 1:1000 dilution. The secondary antibody used was an HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates were loaded 25ug per lane and 3% nonfat dry milk in TBST was used for blocking.



ICC (Immunocytochemistry)
B2M/Beta 2 Microglobulin Antibody-Immunofluorescence analysis of MCF-7 cells using B2M antibody. Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody	Beta 2 Microglobulin antibody is an unconjugated rabbit polyclonal antibody to Beta 2 Microglobulin (B2M) from human. It is reactive with human and mouse. Validated for IF, IHC and WB. B2M/Beta 2 Microglobulin is a serum protein associated with major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. It is required for proper cell surface expression of the complex. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. In cancer, mutation, loss or deregulation of B2M is believed to be involved in aiding tumors in escaping the immune response and therapies. It is used as a marker in the identification of multiple myeloma and lymphoma, where it is regularly overexpressed. It has elevated levels in a number of other cancers, including colorectal, breast, gastric, lung, prostate and testicular cancer as well as malignant epithelial ovarian tumors. B2M has membranous and cytoplasmic positivity in most normal tissues, with elevated levels in immune cells and macrophages.
References	J Transl Med. 2016; 14: 75, PMID: 26983758; Cancer Discov. 2017 Dec; 7(12): 1420 -1435, PMID: 29025772

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757826
NCBI GeneID	567
NCBI Accession #	NP_004039.1
NCBI GenBank Nucleotide #	NM_004048

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/b2m-beta-2-microglobulin-antibody-western-blot-immunohistochemistry-immunohistochemistry-immunofluorescence-elisa/162825>