

Rabbit beta 2 Microglobulin Monoclonal Antibody | anti-B2M antibody

beta 2 Microglobulin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312213	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunocytochemistry, Western Blot

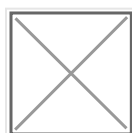
PRODUCT SYNONYMS

beta 2 Microglobulin; Monoclonal Antibody; beta 2 Microglobulin Antibody; B2M antibody; B2MG_HUMAN antibody; Beta 2 microglobin antibody; Beta 2 microglobulin antibody; Beta 2 microglobulin precursor antibody; Beta chain of mhc class 1 proteins antibody; Beta chain of MHC class I molecules antibody; Beta-2-microglobulin form pl 5.3 antibody; CDABP0092 antibody; Hdcma22p antibody; anti-B2M antibody

PRODUCT SPECIFICATIONS

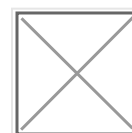
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SU35-05
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-B2M antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



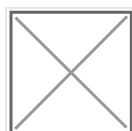
ICC (Immunocytochemistry)

ICC staining beta 2 Microglobulin in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining beta 2 Microglobulin in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of beta 2 Microglobulin on different lysates using anti-beta 2 Microglobulin antibody at 1/1, 000 dilution. Positive control: Lane 1: Raji Lane 2: U937

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody	Major histocompatibility complex (MHC) class 1 molecules bind to antigens for presentation on the surface of cells. The proteasome is responsible for producing these antigens from the components of foreign pathogens. MHC class 1 molecules consist of an a heavy chain that contains three subdomains (alpha1, alpha2, alpha3), and a non-covalent associating light chain, known as beta-2-Microglobulin. beta-2-Microglobulin associates with the a3 subdomain of the a heavy chain and forms an immunoglobulin domain-like structure that mediates proper folding and expression of MHC class 1 molecules. The alpha1 and alpha2 domains of the a heavy chain form the peptide antigen-binding cleft. Mice that lack beta-2-Microglobulin protein show a normal distribution of T cells, yet have no mature CD4-8+ T cells and are defective in CD4-8+ T cell-mediated cytotoxicity. Interferon-gamma can stimulate production of beta-2-Microglobulin transcripts. The human beta-2-Microglobulin gene maps to chromosome 15q21-q22.2 and encodes a 119 amino acid protein. Mutations in the beta-2-Microglobulin gene can enhance the progression of malignant melanoma phenotypes.
Product Categories/Family for anti-B2M antibody	Total protein Ab

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.