

Anti-Beta 2 Microglobulin Antibody

Catalog # AP95689

Product Information

Application	WB, IHC, FC
Primary Accession	P61769
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	13715

Additional Information

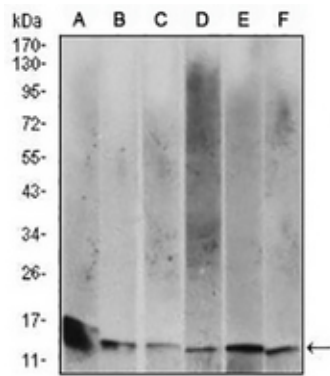
Gene ID	567
Other Names	Beta-2-mIC, roglobulin
Target/Specificity	Recombinant fusion protein of human Beta 2 Microglobulin expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

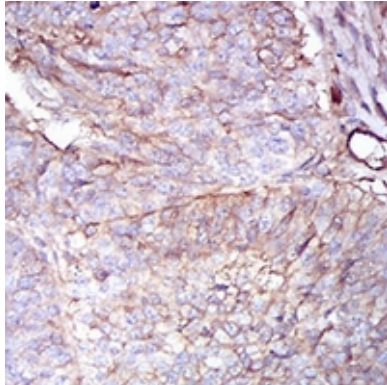
Name	B2M (HGNC:914)
Function	Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. Exogenously applied M.tuberculosis EsxA or EsxA-EsxB (or EsxA expressed in host) binds B2M and decreases its export to the cell surface (total protein levels do not change), probably leading to defects in class I antigen presentation (PubMed: 25356553).
Cellular Location	Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280). {ECO:0000269 PubMed:7554280, ECO:0000269 Ref.6}

Images

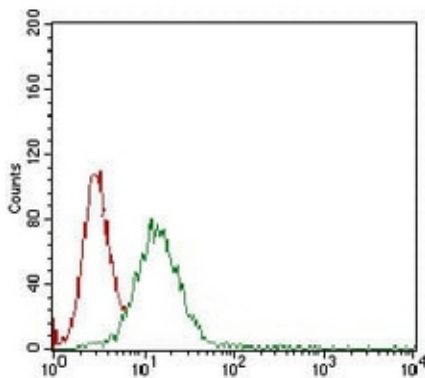
Western blot analysis of Beta 2 Microglobulin expression in Hela (A), HEK293 (B), HepG2 (C), Raji (D), A431 (E),



Jurkat (F) whole cell lysates. (Predicted band size: 14 kD;
Observed band size: 14 kD)



Immunohistochemical analysis of Beta 2 Microglobulin staining in human ovarian cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of A431 cells using Anti-Beta 2 Microglobulin Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.