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B2M Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2771A

Specification

B2M Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P61769
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13715**
Antigen Region	**8-39**

B2M Antibody (N-term) - Additional Information

Gene ID 567

Other Names
Beta-2-microglobulin, Beta-2-microglobulin form pI 53, B2M

Target/Specificity
This B2M antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-39 amino acids from the N-terminal region of human B2M.

Dilution
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
B2M Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

B2M Antibody (N-term) - 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).

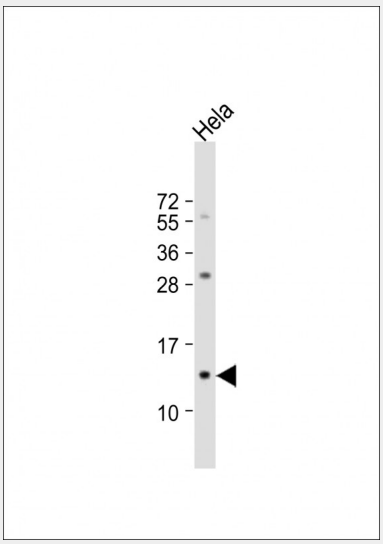
Cellular Location
Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280). {ECO:0000269|PubMed:7554280, ECO:0000269|Ref.6}

B2M Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

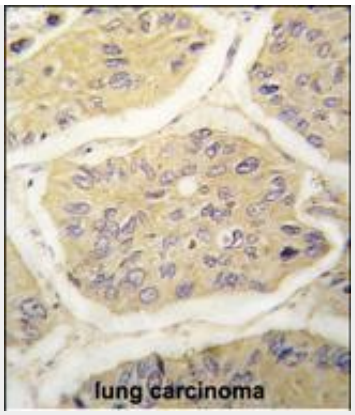
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

B2M Antibody (N-term) - Images

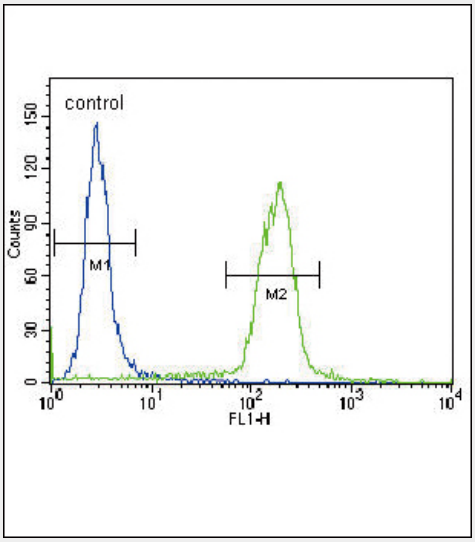


Anti-B2M Antibody (N-term) at 1:1000 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with B2M antibody (N-term) (Cat.#AP2771a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



B2M Antibody (N-term) (Cat. #AP2771a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

B2M Antibody (N-term) - Background

Beta-2-microglobulin is a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells.

B2M Antibody (N-term) - References

Sakata,M., J. Mol. Biol. 382 (5), 1242-1255 (2008)
Huang,W.C., Clin. Cancer Res. 14 (17), 5341-5347 (2008)
Gattoni-Celli,S., Cancer Res. 52 (5), 1201-1204 (1992)