B2MPolyclonal Antibody

E91562

Catalog Number: E91562
Amount: 100ul
Background: β2-microglobulin (B2M) is a principal component of the Major Histocompatibility Complex (MHC) class I molecule, a ternary membrane protein complex that displays fragments derived from proteolyzed cytosolic proteins on the surface of cells for recognition by the surveillance immune system (1,2). As an integral component of the MHC class I complex, β2-microglobulin plays a critically important role in immune system function (3). It has important relevance to cancer biology research; for example, research studies have shown that nearly one-third of diffuse large B cell lymphomas contain mutations that inactivate β2-microglobulin gene function, thereby allowing tumor cells to escape immune detection (4). In additon, β2-microglobulin has been identified as an amyloid preprotein with collagen-binding affinity (5); its accumulation in osteoarthritic lesions of long-term dialysis patients is reportedly a contributing factor to the condition known as amyloid osteoarthropathy (6).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: beta-2-microglobulin;B2M;
Immunogen: Recombinant proteinof human B2M
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 14kDa
Swiss-Prot No. : P61769
Gene ID: 567
References: 1. Krangel, M.S. et al. (1979) Cell 18, 979-91. 2. Collins, E.J. et al. (1995) Proc Natl Acad Sci U S A 92, 1218-21. 3. Marx, J.I. (1974) Science 185, 428-9. 4. Challa-Malladi, M. et al. (2011) Cancer Cell 20, 728-40. 5. Gorevic, P.D. et al. (1985) J Clin Invest 76, 2425-9. 6. Ohashi, K. (2001) Pathol Int 51, 1-10.

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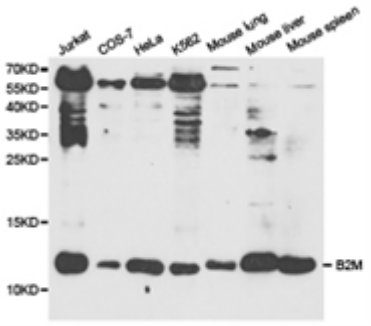
WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of variouscell lines, using B2M antibody.

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