

Anti-Beta-2 Microglobulin Antibody

0808-2



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	WB, IHC-P, FC
Molecular Wt:	13 kDa

Description: β 2 microglobulin also known as B2M is a component of MHC class I molecules, which are present on almost all cells of the body. β -2-Microglobulin associates with the α heavy chain of MHC and forms an immunoglobulin domain-like structure that mediates proper folding and expression of MHC class 1 molecules. Defects in B2M are the cause of hypercatabolic hypoproteinemia. Affected individuals show marked reduction in serum concentrations of immunoglobulin and albumin, probably due to rapid degradation.

Immunogen: Synthetic peptide within human Beta-2 Microglobulin aa 21-70.

Positive control: HL-60 cells.

Subcellular location: Secreted.

Database links: SwissProt: P61769 Human

Recommended Dilutions:

WB	1:500
IHC-P	1:200
FC	1:50

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

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Images



Fig1: Western blot analysis on HL-60 using anti-Beta-2 Microglobulin polyclonal antibody.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Wani M.A., Haynes L.D., Kim J., Bronson C.L., Chaudhury C., Mohanty S., Waldmann T.A., Robinson J.M., Anderson C.L.;"Familial hypercatabolic hypoproteinemia caused by deficiency of the neonatal Fc receptor, FcRn, due to a mutant beta2-microglobulin gene.";Proc. Natl. Acad. Sci. U.S.A. 103:5084-5089(2006).
2. Okon M., Bray P., Vucelic D.;"¹H NMR assignments and secondary structure of human beta 2-microglobulin in solution.";Biochemistry 31:8906-8915(1992).
3. Momoi T., Suzuki M., Titani K., Hisanaga S., Ogawa H., Saito A.;"Amino acid sequence of a modified beta 2-microglobulin in renal failure patient urine and long-term dialysis patient blood.";Clin. Chim. Acta 236:135-144(1995).

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