



β 2-MG Rabbit mAb

Catalog No	YP-rAb-17206
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	B2M CDABP0092 HDCMA22P
Protein Name	Beta-2-microglobulin
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:2000-1:10000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	
Observed Band	12kD
Calculated Molecular Weight	14kD
Cell Pathway	Secreted . Cell surface . Detected in serum and urine (PubMed:1336137, PubMed:7554280). .; (Microbial infection) In the presence of M.tuberculosis EsxA-EsxB complex decreased amounts of B2M are found on the cell surface (PubMed:25356553). .
Tissue Specificity	Dendritic cell, Eye, Leukemia, Peripheral blood, Skin, Trachea, Urine,
Function	Disease:Defects in B2M are the cause of hypercatabolic hypoproteinemia [MIM:241600]. Affected individuals show marked reduction in serum concentrations of immunoglobulin and albumin, probably due to rapid degradation. .,Function:Beta-2-microglobulin is the beta-chain of major histocompatibility complex class I molecules. .online information:Beta-2-microglobulin entry,PTM:Glycation of Ile-21 is observed in long-term hemodialysis patients. .,similarity:Belongs to the beta-2-microglobulin family. .,similarity:Contains 1 Ig-like C1-type (immunoglobulin-like) domain. .





Background

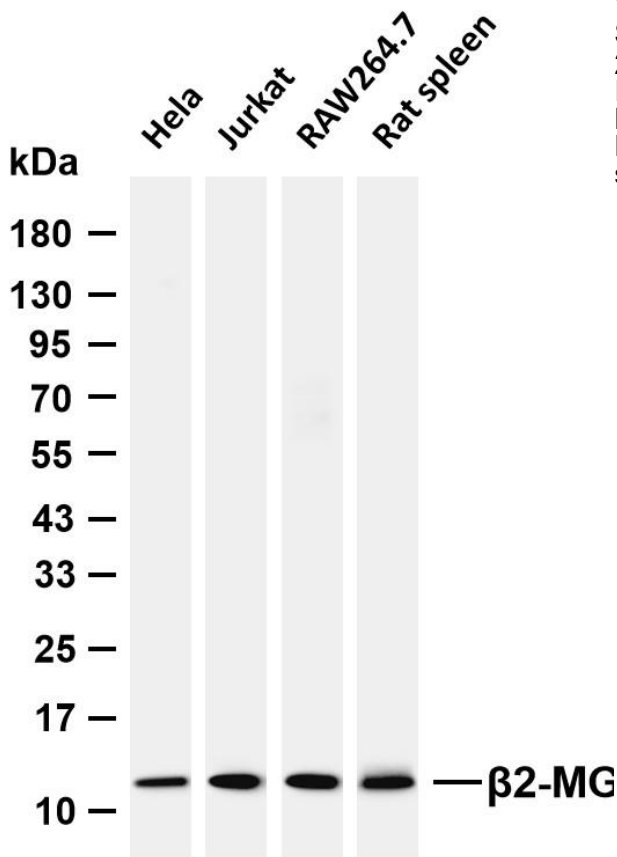
This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.[provided by RefSeq, Aug 2014],

matters needing attention

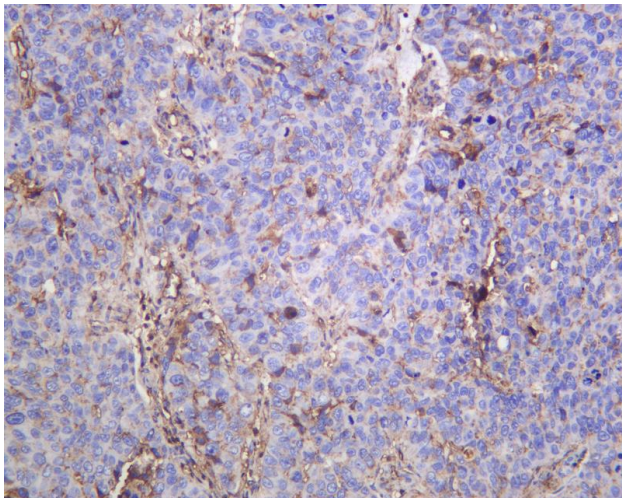
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti- β 2-MG antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: Jurkat Lane 3: RAW264.7 Lane 4: Rat spleen Predicted band size: 14kDa Observed band size: 12kDa



Human bladder carcinoma was stained with anti- β 2-MG Rabbit antibody

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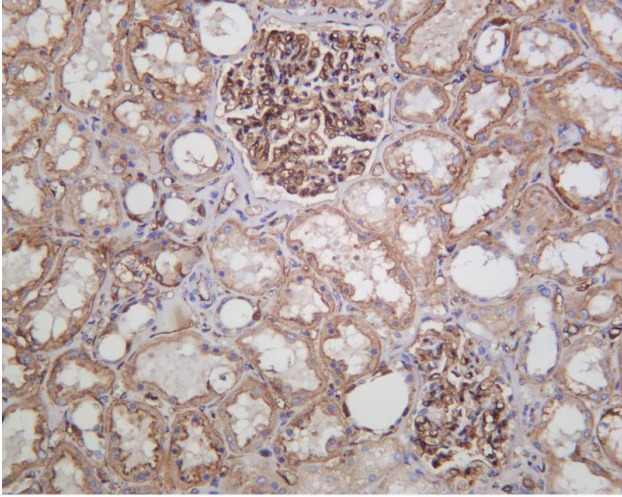
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Human kidney was stained with anti- β 2-MG Rabbit antibody

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