
Product Name: KD-Validated Beta 2 Microglobulin Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01066

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 13.7kDa

Antigen Information

Gene Name	B2M
Alternative Names	B2M; Beta-2-Microglobulin; Beta Chain Of MHC Class I Molecules; Beta-2-Microglobin; IMD43
Gene ID	567.0
SwissProt ID	P61769
Immunogen	A synthesized peptide derived from human beta 2 Microglobulin

Background

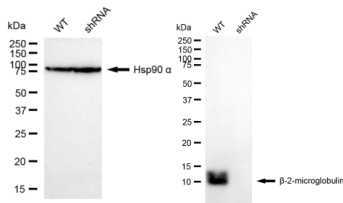
This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid

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]

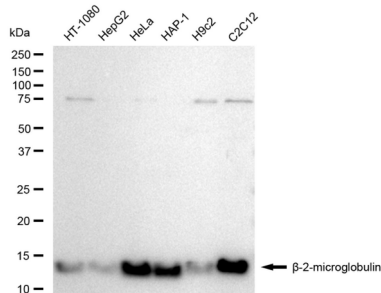
Research Area

Cardiovascular,Cancer

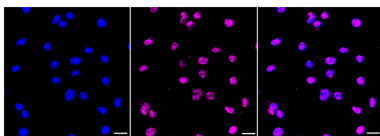
Image Data



Western blotting analysis using beta 2 Microglobulin antibody (KVA01066). Beta 2 Microglobulin expression in wild type (WT) and beta 2 Microglobulin shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with beta 2 Microglobulin antibody (KVA01066, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using beta-2-microglobulin antibody (KVA01066). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with beta-2-microglobulin antibody (KVA01066, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with beta-2-microglobulin antibody (KVA01066, 1:1,000) . Nuclei were stained blue with DAPI; beta-2-microglobulin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.