

Product datasheet

info@arigobio.com

ARG40584 anti-beta 2 Microglobulin antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes beta 2 Microglobulin

Tested Reactivity Hu, Ms, Rat

Tested Application ICC/IF, IP, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name beta 2 Microglobulin

Species Human

Immunogen Synthetic peptide derived from Human beta 2 Microglobulin.

Conjugation Un-conjugated

Alternate Names Beta-2-microglobulin

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IP	1:30
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol B2M

Gene Full Name 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]

Function Component of the class I major histocompatibility complex (MHC). Involved in the presentation of

peptide antigens to the immune system. [UniProt]

Calculated Mw 14 kDa

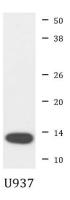
PTM Glycation of Ile-21 is observed in long-term hemodialysis patients. [UniProt]

Cellular Localization Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280).

Note=(Microbial infection) In the presence of M.tuberculosis EsxA-EsxB complex decreased amounts of

B2M are found on the cell surface (PubMed:25356553). [UniProt]

Images



ARG40584 anti-beta 2 Microglobulin antibody WB image

Western blot: U937 cell lysate stained with ARG40584 anti-beta 2 Microglobulin antibody.