

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



U937

ARG40584 anti-beta 2 Microglobulin antibody WB image

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