Datasheet for ABIN389259

anti-beta-2 Microglobulin antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	beta-2 Microglobulin (B2M)
Binding Specificity:	AA 86-118, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta-2 Microglobulin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This B2M antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-118 amino acids from the C-terminal region of human B2M.
Clone:	RB14613
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	beta-2 Microglobulin (B2M)
Alternative Name:	B2M (B2M Products)

Target Details

Background:	Beta-2-microglobulin is a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells.
Molecular Weight:	13715
Gene ID:	567
NCBI Accession:	NP_004039
UniProt:	P61769
Pathways:	TCR Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

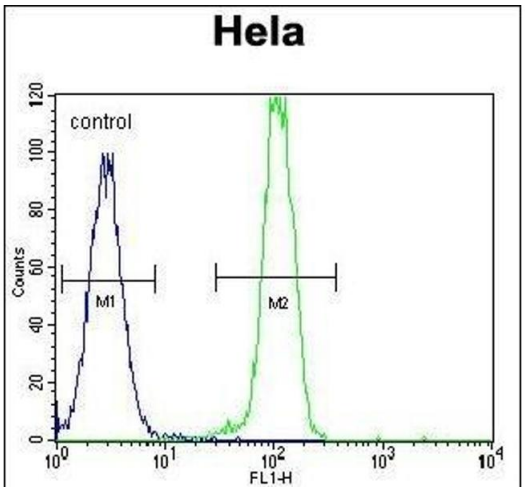
Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

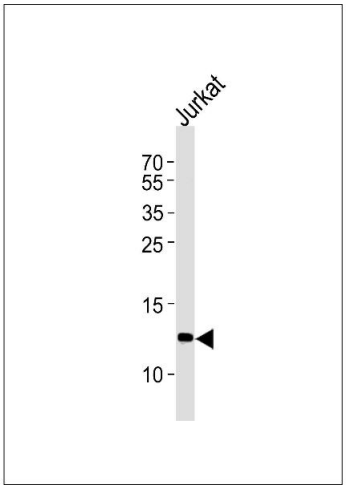
Publications

Product cited in:	Liu, Yang, Li, Liu, Miao, Yang, Zou, Yuan: "Overexpression of B2M and loss of ALK7 expression are associated with invasion, metastasis, and poor-prognosis of the pancreatic ductal adenocarcinoma." in: **Cancer biomarkers : section A of Disease markers**, Vol. 15, Issue 6, pp. 735-43, (2015) (PubMed).



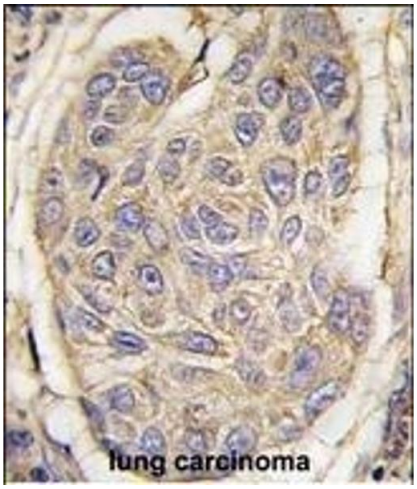
Flow Cytometry

Image 1. B2M Antibody (C-term) (ABIN389259 and ABIN2839397) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. B2M Antibody (C-term) (ABIN389259 and ABIN2839397) western blot analysis in Jurkat cell line lysates (35 µg/lane).This demonstrates the B2M antibody detected the B2M protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with B2M antibody (C-term) (ABIN389259 and ABIN2839397) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.