Datasheet for ABIN6940415

anti-beta-2 Microglobulin antibody

10 Images

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Overview

Quantity:	100 µg
Target:	beta-2 Microglobulin (B2M)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta-2 Microglobulin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Full length recombinant human B2M protein
Clone:	B2M-961
Isotype:	IgG2b kappa
Specificity:	Recognizes a protein of 12 kDa, identified as beta-2 microglobulin. Major histocompatibility complex (MHC) class 1 Molecules bind to antigens for presentation on the surface of cells. The proteasome is responsible for producing these antigens from the components of foreign pathogens. MHC class 1 Molecules consist of an alpha heavy chain that contains three subdomains (alpha1, alpha2, alpha3) and a non-covalent associating light chain, known as beta-2-Microglobulin. Beta-2-Microglobulin associates with the alpha3 subdomain of the alpha heavy chain and forms an immunoglobulin domain-like structure that mediates proper folding and expression of MHC class 1 Molecules. The alpha1 and alpha2 domains of the alpha heavy chain form the peptide antigen-binding cleft. Mutations in the beta-2-Microglobulin gene can

Product Details

	enhance the progression of malignant melanoma phenotypes.
Purification:	Purified by Protein A/G

Target Details

Target:	beta-2 Microglobulin (B2M)
Alternative Name:	B2M (B2M Products)
Molecular Weight:	12kDa
Gene ID:	567
UniProt:	P61769
Pathways:	TCR Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Positive Control: HL-60 or HeLa cells. Melanomas and Lymphoma. Carcinoma of Stomach, Cervix, Endometrial, Kidney or Colon. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-4 µg/mL), ,Western Blot (0.5-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT) ,(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

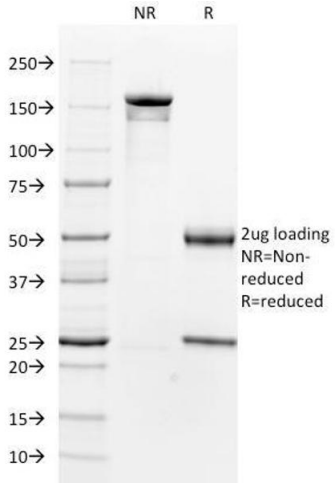
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

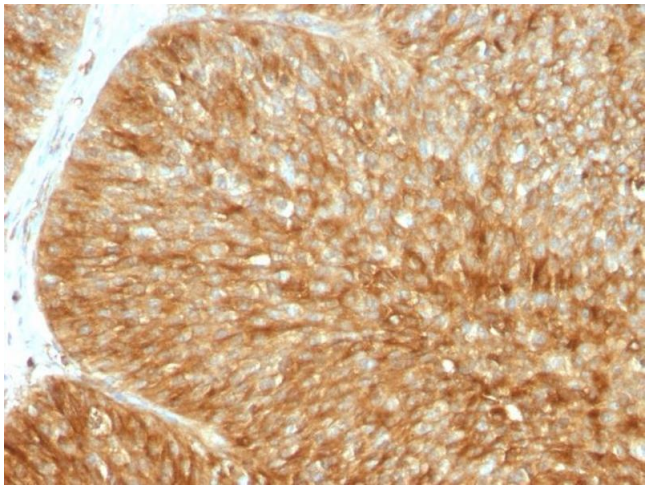
	is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



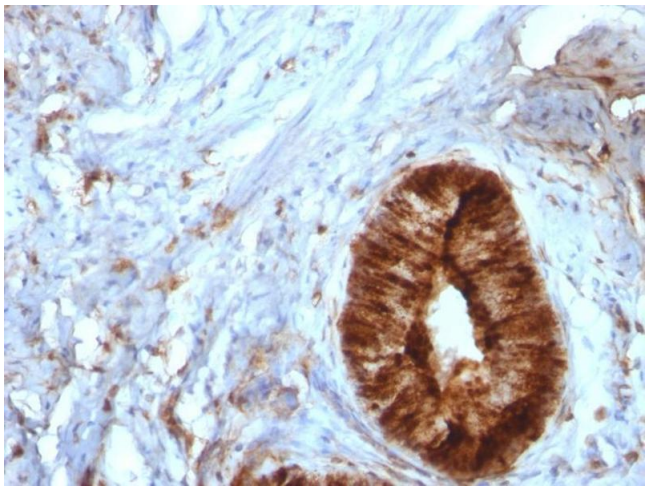
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Beta-2-Microglobulin Mouse Monoclonal Antibody (B2M/961). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Beta-2-Microglobulin Mouse Monoclonal Antibody (B2M/961).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Beta-2-Microglobulin Mouse Monoclonal Antibody (B/961).

Please check the product details page for more images. Overall 10 images are available for ABIN6940415.