beta-2 Microglobulin Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E.coli-derived human Beta 2 Microglobulin recombinant protein (Position: Q22-M119).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 4mg trehalose
Contains	0.05mg sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2807229

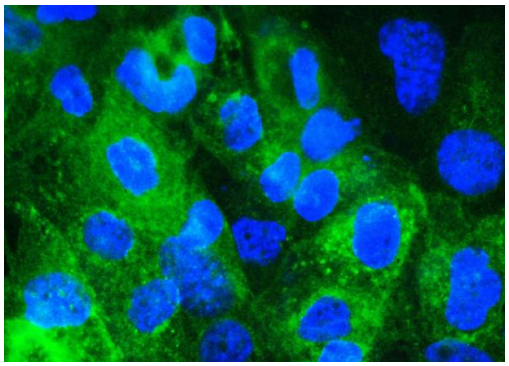
Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-

Product Specific Information

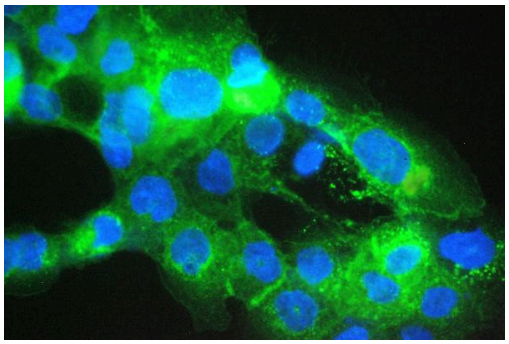
Human Beta 2 Microglobulin shares 69.4% and 74.5% amino acid (aa) sequence identity with mouse and rat Beta 2 Microglobulin, respectively.

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

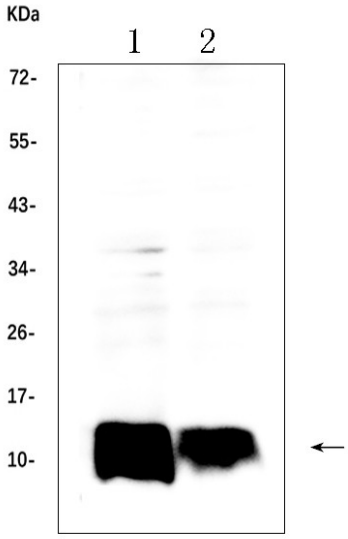
Product Images For beta-2 Microglobulin Polyclonal Antibody



beta-2 Microglobulin Antibody (PA5-95426) in ICC/IF
Immunocytochemistry analysis of Beta 2 Microglobulin using anti- Beta 2 Microglobulin antibody (Product # PA5-95426) . Beta 2 Microglobulin was detected in a section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum and then incubated with 2g/mL rabbit anti- Beta 2 Microglobulin antibody (Product # PA5-95426) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



beta-2 Microglobulin Antibody (PA5-95426) in ICC/IF
Immunocytochemistry analysis of Beta 2 Microglobulin using anti- Beta 2 Microglobulin antibody (Product # PA5-95426) . Beta 2 Microglobulin was detected in a section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum and then incubated with 2g/mL rabbit anti- Beta 2 Microglobulin antibody (Product # PA5-95426) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



beta-2 Microglobulin Antibody (PA5-95426) in WB
Western blot analysis of Beta 2 Microglobulin in, Lane 1: HEPG2 whole Cell lysates, Lane 2: 22RV1 whole cell lysates. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 µg of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. The membrane was blocked with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with beta-2 Microglobulin Polyclonal Antibody (Product # PA5-95426) at 0.5 g/mL overnight at 4°C, then washed with TBS-0. 1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1: 10000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for Beta 2 Microglobulin at approximately 13KD. The expected band size for Beta 2 Microglobulin is at 13KD.

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