

Beta-2-microglobulin Polyclonal Antibody

Catalog number: 13511-1-AP

Size: 54 µg/150 µl

Source: Rabbit

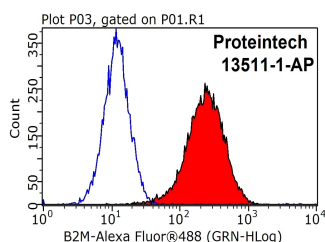
Isotype: IgG

Synonyms:

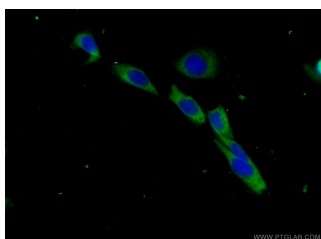
B2M; B2M, Beta-2-microglobulin, HDCMA22P



HeLa cells were subjected to SDS PAGE followed by western blot with 13511-1-AP (B2M antibody) at dilution of 1:1000



1X10⁶ HeLa cells were stained with 0.2 µg B2M antibody (13511-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using 13511-1-AP (B2M Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

Beta-2-microglobulin (B2M) is a component of MHC class I molecules, which are present on the surface of nearly all nucleated cells. It can be found in body fluids under physiologic conditions as a result of shedding from cell surfaces or intracellular release. B2M has various biological functions, including antigen presentation. Investigations reveal that increased synthesis and release of B2M are present in several malignant diseases.

Applications

Tested applications:	ELISA, WB, FC, IHC, IF
Cited applications:	WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Rat
Calculated Beta-2-microglobulin MW:	119aa, 14 kDa
Observed Beta-2-microglobulin MW:	12 kDa
Positive WB detected in	HeLa cells, A431 cells, human heart tissue, human stomach tissue, mouse lung tissue, Raji cells
Positive IHC detected in	Human oesophagus cancer tissue, human stomach cancer tissue
Positive IF detected in	A431 cells
Positive FC detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100 FC: N/A

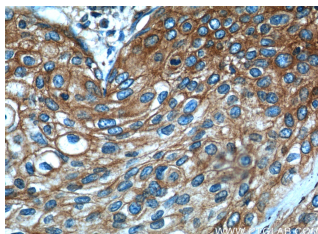
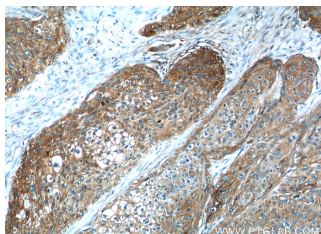
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4433
GenBank accession number:	BC032589
Gene ID (NCBI):	567
Full name:	Beta-2-microglobulin

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**Immunohistochemistry of
paraffin-embedded human
oesophagus cancer tissue slide
using 13511-1-AP(B2M
Antibody) at dilution of 1:50
(under 10x lens)**

**Immunohistochemistry of
paraffin-embedded human
oesophagus cancer tissue slide
using 13511-1-AP(B2M
Antibody) at dilution of 1:50
(under 40x lens)**