

# beta 2 Microglobulin Rabbit mAb

Catalog No.: A11642 **Recombinant**

## Basic Information

### Observed MW

14kDa

### Calculated MW

14kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0656

## 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.

## Recommended Dilutions

|              |                 |
|--------------|-----------------|
| <b>WB</b>    | 1:500 - 1:2000  |
| <b>IHC-P</b> | 1:1000 - 1:5000 |

## Immunogen Information

### Gene ID

567

### Swiss Prot

P61769

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 40-119 of human beta 2 Microglobulin (P61769).

### Synonyms

IMD43; beta 2 Microglobulin

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

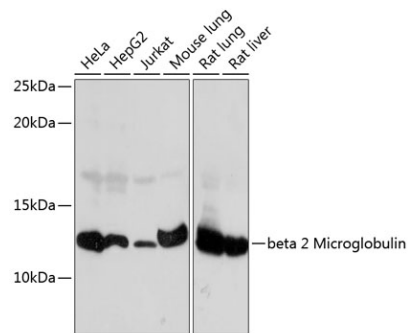
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using beta 2 Microglobulin Rabbit mAb (A11642) at 1:1000 dilution.

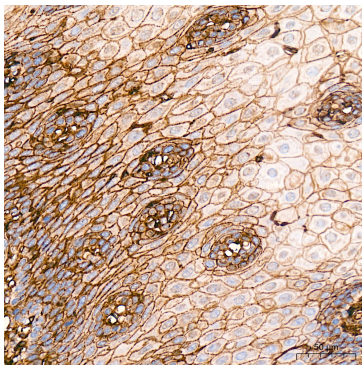
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

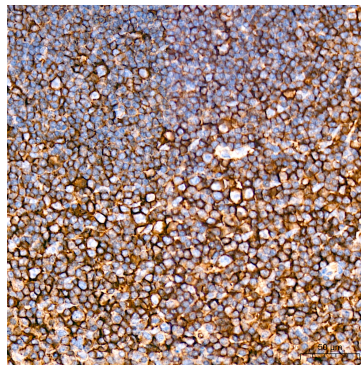
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Immunohistochemistry analysis of beta 2 Microglobulin in paraffin-embedded human esophagus tissue using beta 2 Microglobulin Rabbit mAb (A11642) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of beta 2 Microglobulin in paraffin-embedded human tonsil tissue using beta 2 Microglobulin Rabbit mAb (A11642) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.