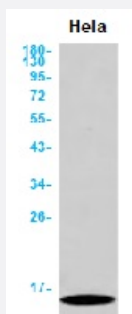


RecomAb™

B2M recombinant monoclonal antibody, clone R01-4H5

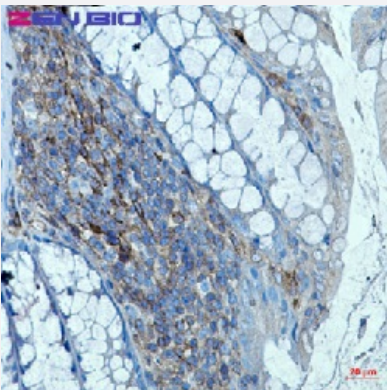
Catalog # RAB01562 Size 100 uL

Applications



Western Blot

Western blot analysis of beta 2 Microglobulin in HeLa lysates using human beta 2 Microglobulin recombinant monoclonal antibody, clone R01-4H5 (Cat # RAB01562).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of mouse colon with beta 2 Microglobulin recombinant monoclonal antibody, clone R01-4H5 (Cat # RAB01562).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human beta 2 Microglobulin.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human beta 2 Microglobulin
Theoretical MW (kDa)	Calculated MW: 14 kD
Reactivity	Human

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1/100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of beta 2 Microglobulin in Hela lysates using human beta 2 Microglobulin recombinant monoclonal antibody, clone R01-4H5 (Cat # RAB01562).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of mouse colon with beta 2 Microglobulin recombinant monoclonal antibody, clone R01-4H5 (Cat # RAB01562).

- Immunoprecipitation

Gene Info — B2M

Entrez GeneID	567
Protein Accession#	P61769
Gene Name	B2M
Gene Alias	-
Gene Description	beta-2-microglobulin
Omim ID	109700 241600

Gene Ontology

[Hyperlink](#)

Gene Summary

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. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia

Other Designations

beta chain of MHC class I molecules|beta-2-microglobulin

Pathway

- [Antigen processing and presentation](#)

Disease

- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease](#)
- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Osteoarthritis](#)
- [Parkinson disease](#)
- [Stomach Neoplasms](#)