

Product datasheet for **TA319617**

beta 2 Microglobulin (B2M) Rabbit Polyclonal Antibody

Product data:

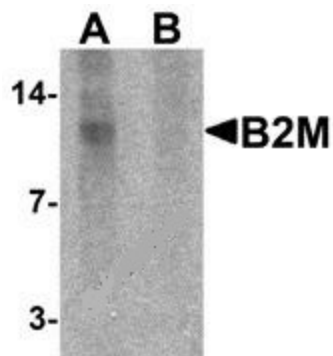
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	B2M antibody was raised against a 15 amino acid peptide near the carboxy terminus of human B2M.
Formulation:	B2M Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	B2M Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 13 kDa; Observed: 12 kDa
Gene Name:	beta-2-microglobulin
Database Link:	NP_004039 Entrez Gene 567 Human P61769
Background:	B2M Antibody: Beta2-microglobulin (B2M) is a principal component of the Major Histocompatibility Complex (MHC) class I molecule, a ternary membrane protein complex that displays fragments derived from proteolyzed cytosolic proteins on the surface of cells for recognition by the surveillance immune system (1,2). B2M is involved in the presentation of peptide antigens to the immune system and plays a critically important role in immune system function (3). It is expressed on nearly all nucleated cells and contains one Ig-like C1-type (immunoglobulin-like) domain (2,3). Mutations in the Beta 2-microglobulin gene can enhance the progression of malignant melanoma and osteoarthritis (4,5).



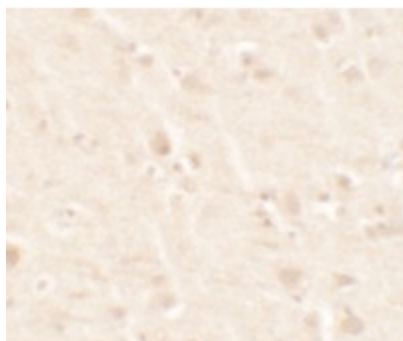
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Synonyms: IMD43
Protein Families: Druggable Genome, Secreted Protein
Protein Pathways: Antigen processing and presentation

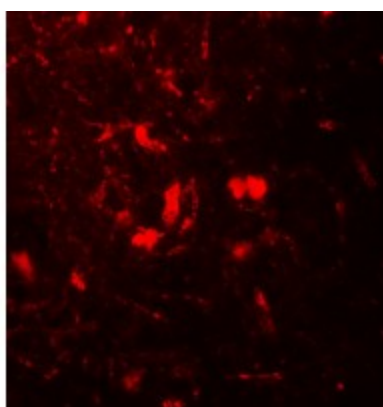
Product images:



Western blot analysis of B2M in SK-N-SH cell lysate with B2M antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of B2M in mouse brain tissue with B2M antibody 5 ug/mL.



Immunofluorescence of B2M in mouse brain tissue with B2M antibody at 20 ug/mL.