Rabbit anti-Human MART-1/MLANA Polyclonal Antibody | anti-MLANA antibody

Anti-MART-1/MLANA Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254742	**Rabbit**	**Human**	**Immunohistochemistry**

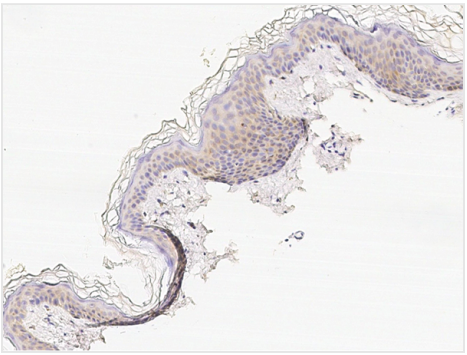
PRODUCT SYNONYMS

MART-1/MLANA; Polyclonal Antibody; Anti-MART-1/MLANA Antibody; Rabbit Polyclonal; MLANA Antibody; Rabbit PAb; Antigen Affinity Purified; melan-A; Anti-MART-1 Antibody; Anti-MART1 Antibody; anti-MLANA antibody

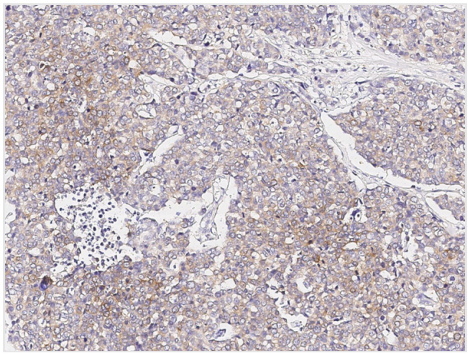
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MLANA
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MLANA antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human MLANA
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human MLANA, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of human MLANA in human skin with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human MLANA in human breast carcinoma with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-MLANA antibody	MART-1 is a hydrophobic transmembrane protein without glycosylation sites highly enriched in early melanosomes. MART-1 is necessary for gp1 function, another antigen associated with cutaneous melanoma, involved in the regulation of melanosome formation. MART-1 is expressed in skin and retinae melanocytes and the majority of melanoma tumors, but it is absent from other tissues and tumors. It was isolated thanks to the specific recognition by T lymphocytes of MART-1 derived peptides, especially in the context of the HLA-A21 haplotype, present in tumor infiltrates from melanoma patients. Thus, MART-1 is immunogenic in humans and has been widely exploited to induce anti-melanoma immunity in patients through several vaccination strategies.
References	Barrio MM, Abes R, Colombo M, et al. Human Macrophages and Dendritic Cells Can Equally Present MART-1 Antigen to CD8+ T Cells after Phagocytosis of Gamma-Irradiated Melanoma Cells. Chatenoud L, ed. PLoS ONE. 2012;7(7):e40311.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031913
NCBI GeneID	2315
NCBI Accession #	NP_005502.1
NCBI GenBank Nucleotide #	NM_005511.1
UniProt Accession #	Q16655; Q6ICU4
Molecular Weight	13,157 Da
NCBI Official Full Name	melanoma antigen recognized by T-cells 1
NCBI Official Synonym Full Names	melan-A
NCBI Official Symbol	MLANA
NCBI Official Synonym Symbols	MART1; MART-1
NCBI Protein Information	melanoma antigen recognized by T-cells 1; antigen LB39-AA; antigen SK29-AA; protein Melan-A
UniProt Protein Name	Melanoma antigen recognized by T-cells 1
UniProt Gene Name	**MLANA**
UniProt Synonym Gene Names	MART1; MART-1
UniProt Entry Name	MAR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/mart-1-mlana-antibody-immunohistochemistry-elisa/254742