

Mouse anti-Human Tyrosinase-Related Protein-1 (TYRP-1) Antibody | anti-TYRP-1 antibody

Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Mouse Monoclonal Antibody [Clone TYRP1/1986]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214482	Mouse	Human	Immunohistochemistry, ELISA

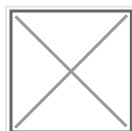
PRODUCT SYNONYMS

Tyrosinase-Related Protein-1 (TYRP-1); Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Mouse Monoclonal Antibody [Clone TYRP1/1986]; 5; 6 dihydroxyindole 2 carboxylic acid oxidase; 6-dihydroxyindole-2-carboxylic acid oxidase; Associated with iris pigmentation; CAS2; Catalase B (CATB); DHICA oxidase; Glycoprotein75 (GP75); Melanoma antigen gp75; Tyrosinase-related protein 1 (TYRP1); TYRRP; anti-TYRP-1 antibody

PRODUCT SPECIFICATIONS

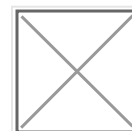
Host	Mouse
Reactivity	Human
Isotype	IgG2b, kappa
Specificity	It reacts with a 75kDa melanocyte-specific gene product, identified as Tyrosinase-related protein-1 (TRP-1). It is involved in melanin synthesis. TRP1 is present on the melanosomal membranes of melanoma, normal melanocytes and nevi. Recent evidence suggests that TRP-1 is involved in maintaining stability of tyrosinase protein and modulating its catalytic activity. TRP-1 is also involved in maintenance of melanosome ultrastructure and affects melanocyte proliferation and cell death.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-TYRP-1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment of human TYRP1 protein (around aa 257-377) (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Positive Control	SK-MEL-23, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells. Human Skin or Melanoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using TYRP1 Mouse Monoclonal Antibody (TYRP1/1986)Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

SDS-PAGE Analysis Purified TYRP1 Mouse Monoclonal Antibody (TYRP1/1986). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Skin stained with TYRP1 Mouse Monoclonal Antibody (TYRP1/1986).

ADDITIONAL INFORMATION

References	1. Orlow, S.J., et al. 1994. High-molecular-weight forms of tyrosinase and the tyrosinase-related proteins: evidence for a melanogenic complex. J. Invest. Dermatol. 103: 196-201.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	270279
NCBI GeneID	7306
UniProt Accession #	P17643
Molecular Weight	75kDa

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://stage.aaabiotech.com/mouse-human-antibody/tyrosinase-related-protein-1-tyrp-1/214482>