Recombinant Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Antibody

Mouse Monoclonal Antibody [Clone rG3E6]

Catalog No	Format	Size
7306-MSM22-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7306-MSM22-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7306-MSM22-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

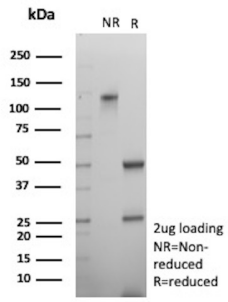
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

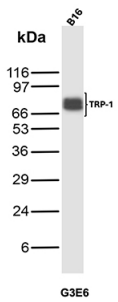
Clone	rG3E6
Gene Name	TYRP1
Immunogen	Prokaryotic recombinant fusion protein corresponding to the C-terminus of the TRP-1 molecule
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	75kDa
Cellular Localization	Melanosome, Melanosome membrane
Species Reactivity	Human
Positive Control	SK-MEL-19, SK-MEL-23, SK-MEL-30 or SK-MEL-37 cells. Human Skin or Melanoma. B16.

**Optimal dilution for a specific application should be determined.*

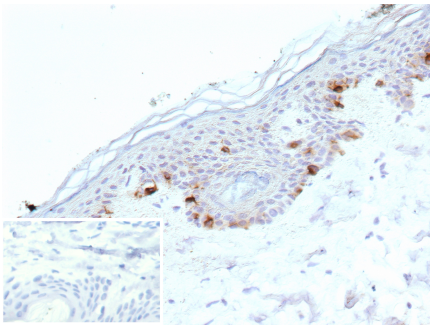
Product Images for Recombinant Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Antibody



SDS-PAGE Analysis of Purified Tyrosinase Related Protein (TRP-1) Recombinant Mouse Monoclonal Antibody (rG3E6). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of B16 cell lysate using Tyrosinase Related Protein Recombinant Mouse Monoclonal Antibody (rG3E6).



Formalin-fixed, paraffin-embedded human skin stained with Tyrosinase RelatedProtein (TRP-1) Recombinant Mouse Monoclonal Antibody (rG3E6). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Tyrosinase-related protein-1 (TRP-1) is a member of a family of proteins which are involved in melanin biosynthesis. The catalytic function of TRP-1 has not been fully resolved but the enzyme appears to be important in the oxidation of 5,6-dihydroxyindole-2-carboxylic acid to form a high molecular weight pigmented biopolymer. In mammals, there are two basic types of melanin, the brown-black eumelanin and the reddish-yellow phaeomelanin. The concentrations of each are variable and are not related to skin type. In skin exposed to suberythemal doses of UVB, an increase in the number of melanocytes expressing TRP-1 and TRP-2 was observed with no increase noted in the number of tyrosinase-expressing melanocytes. In normal, untreated skin the number of melanocytes which immunohistochemically stain for either TRP-1, TRP-2 or tyrosinase appears to be similar irrespective of skin type. TRP-1 is also expressed in more than 50 per cent of choroidal melanocytes of the adult eye.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.