ARG55988
anti-Tyrosinase antibody [T311]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [T311] recognizes Tyrosinase
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	T311
Isotype	IgG2a, kappa
Target Name	Tyrosinase
Species	Human
Immunogen	Recombinant Human Tyrosinase protein.
Conjugation	Un-conjugated
Alternate Names	SHEP3; SK29-AB; Tumor rejection antigen AB; ATN; EC 1.14.18.1; Tyrosinase; LB24-AB; OCA1A; OCA1; Monophenol monooxygenase; OCAIA; CMM8; TYR

Application Instructions

Application table

Application	Dilution
IHC-P	1 - 2 µg/ml

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 1 mM EDTA (pH 7.5-8.5) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

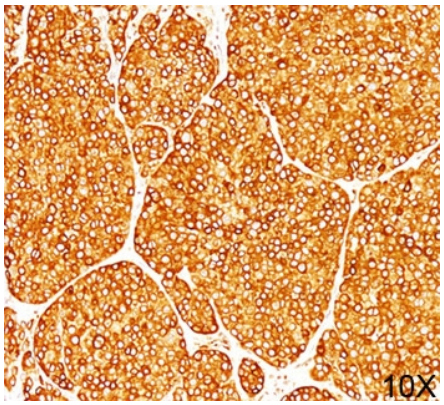
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

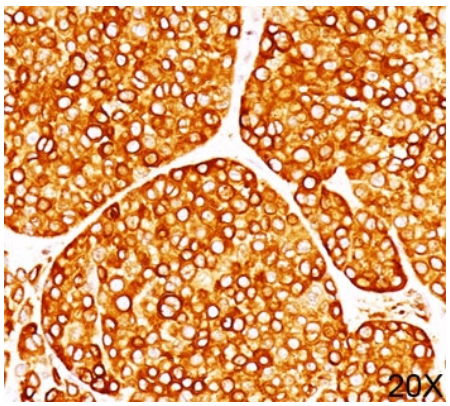
Database links	GeneID: 7299 Human Swiss-port # P14679 Human
Gene Symbol	TYR
Gene Full Name	tyrosinase
Background	The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene. [provided by RefSeq, Oct 2008]
Function	This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the rate-limiting conversions of tyrosine to DOPA, DOPA to DOPA-quinone and possibly 5,6-dihydroxyindole to indole-5,6 quinone. [UniProt]
Calculated Mw	60 kDa
PTM	Glycosylated.
Cellular Localization	Cytoplasmic

Images



ARG55988 anti-Tyrosinase antibody [T311] IHC-P image

Immunohistochemistry: melanoma tissue (10X) stained with ARG55988 anti-Tyrosinase antibody [T311].



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