



Anti-TYR polyclonal antibody (DPAB2011RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit anti-human tyrosinase polyclonal antibody is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results s
Antigen Description	Tyrosinase also known as monophenol monooxygenase is an enzyme that catalyses the oxidation of phenols (such as tyrosine) and is widespread in plants and animals. Tyrosinase is a copper-containing enzyme present in plant and animal tissues that catalyzes the production of melanin and other pigments from tyrosine by oxidation, as in the blackening of a peeled or sliced potato exposed to air. It is found inside melanosomes. In humans, the tyrosinase enzyme is encoded by the TYR gene.
Specificity	This antibody reacts with 70-80 kD protein. Tyrosinase is a copper containing metalloglycoprotein that catalyzes several steps in the melanin pigment biosynthetic pathway. Tyrosinase and melan A are the most commonly expressed melanoma markers and are fou
Immunogen	Recombinant human tyrosinase protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC
Cellular Localization	Cytoplasmic
Positive Control	Melanoma
Format	Purified immunoglobulin fraction of rabbit antiserum against tyrosinase containing sodium azide as a preservative.

Preservative	See individual product datasheet
Storage	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

GENE INFORMATION

Gene Name	TYR tyrosinase (oculocutaneous albinism IA) [Homo sapiens]
Synonyms	TYR; tyrosinase (oculocutaneous albinism IA); CMM8; OCA1A; OCA1A; SHEP3; tyrosinase; LB24-AB; SK29-AB; monophenol monooxygenase; tumor rejection antigen AB; EC 1.14.18.1; SHEP3; Tumor rejection antigen AB; OTTHUMP00000235653
Entrez Gene ID	7299
Protein Refseq	NP_000363
UniProt ID	L8B082
Chromosome Location	11q14-q21
Pathway	Catecholamine biosynthesis; Melanogenesis; Metabolic pathways; Riboflavin metabolism; Riboflavin metabolism; Tyrosine metabolism
Function	copper ion binding; metal ion binding; monooxygenase activity; monophenol monooxygenase activity; protein binding; protein heterodimerization activity; protein homodimerization activity