

Rabbit anti-Mouse, Human TYRP1/gp75 Polyclonal Antibody | anti-TYRP1 antibody

TYRP1/gp75 Rabbit anti-Human Polyclonal (aa396-445) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162504	Rabbit	Mouse, Human	Western Blot, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

TYRP1/gp75; Polyclonal Antibody; TYRP1/gp75 Rabbit anti-Human Polyclonal (aa396-445) Antibody; PathPlus TYRP1/gp75 Antibody (aa396-445); TYRP1; B-PROTEIN; CAS2; CATB; Glycoprotein 75; Hstyprrp; gp75; OCA3; SHEP11; TRP-1; Tyrosinase-related protein 1; TYRP; TYRRP; Catalase B; DHICA oxidase; Melanoma antigen gp75; anti-TYRP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human TYRP1
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.09% sodium azide, 2% sucrose
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-TYRP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human TYRP1/gp75
Immunogen	Synthetic peptide located between aa396-445 of human TYRP1 (P17643, NP_000541). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Sheep, Goat, Panda, Dog, Cat, Bat, Rabbit, Horse, Guinea pig, Chicken, Platypus (100%); Elephant, Bovine, Pig, Opossum, Zebra finch, Lizard (92%); Xenopus (85%); Pufferfish, Zebrafish (83%).
Conjugation	Unconjugated
Epitope	aa396-445
Preparation and Storage	Short term: Store at 2-8 degree C. Long term: Aliquot and store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

TYRP1/gp75 Antibody-Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

TYRP1/gp75 Antibody-Western blot of 721_B Cell Lysate. This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL INFORMATION

Related Product Information for anti-TYRP1 antibody	Gp75 antibody is an unconjugated rabbit polyclonal antibody to gp75 (TYRP1)(aa396-445) from human. It is reactive with human, mouse, rat and other species. Validated for IHC and WB. Cited in 1 publication. TYRP1 is a melanocyte-specific protein involved in melanin synthesis. It functions to stabilize tyrosinase protein and modulate its catalytic activity. It also plays a role in the maintenance of melanosome structure and influences melanocyte proliferation and cell death. Mutations in this gene are associated with oculocutaneous albinism type 3 (OCA3). Expression of this protein in metastatic melanoma correlates with Breslow thickness and poor prognosis, and it may be an effective target of inhibition therapy. In immunohistochemistry of normal tissue, it has membranous positivity on melanocytes.
References	Pigment Cell Res. 2001 Dec;14(6):437-44, PMID: 11775055; Br J Cancer. 2011 Nov 22; 105(11): 1726 -1732, PMID: 22045183

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507757
NCBI GeneID	7306
NCBI Accession #	NP_000541.1
NCBI GenBank Nucleotide #	NM_000550
UniProt Accession #	P17643; P78468; P78469; Q13721; Q15679
NCBI Official Full Name	5,6-dihydroxyindole-2-carboxylic acid oxidase
NCBI Official Synonym Full Names	tyrosinase related protein 1
NCBI Official Symbol	TYRP1
NCBI Official Synonym Symbols	TRP; CAS2; CATB; GP75; OCA3; TRP1; TYRP; b-PROTEIN
NCBI Protein Information	5,6-dihydroxyindole-2-carboxylic acid oxidase
UniProt Protein Name	5,6-dihydroxyindole-2-carboxylic acid oxidase
UniProt Gene Name	TYRP1
UniProt Synonym Gene Names	CAS2; TYRP; TYRRP; DHICA oxidase; TRP; TRP-1; TRP1

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.