

Rabbit anti-Human Tyrosinase Polyclonal Antibody | anti-TYR antibody

Tyrosinase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284889	Rabbit	Human	Western Blot

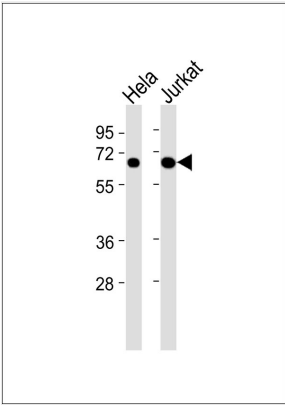
PRODUCT SYNONYMS

Tyrosinase; Polyclonal Antibody; Tyrosinase Antibody; LB24-AB; Monophenol monooxygenase; SK29-AB; Tumor rejection antigen AB; TYR; anti-TYR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	0.01M PBS, pH 7.2, 0.1% Sodium azide, Glycerol 50%
Concentration	1mg/ml (varies by lot)
Sequence Positions	461-520
Sequence Length	377
Applicable Applications for anti-TYR antibody	WB (Western Blot)
Antigen Type	synthetic peptide
Antigen Source	KLH conjugated synthetic peptide derived from human Tyrosinase
Function	This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the initial and rate limiting step in the cascade of reactions leading to melanin production from tyrosine. In addition to hydroxylating tyrosine to DOPA (3,4- dihydroxyphenylalanine), also catalyzes the oxidation of DOPA to DOPA-quinone, and possibly the oxidation of DHI (5,6- dihydroxyindole) to indole-5,6 quinone.
Cellular Location	Melanosome membrane; Single-pass type I membrane protein. Melanosome {ECO:0000250 UniProtKB:P11344}. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38 {ECO:0000250 UniProtKB:P11344}
Preparation and Storage	Store at -20 degree C.Stable for 12 months from date of receipt

IMAGES



WB (Western Blot)
All lanes : Anti-Tyrosinase Antibody at 1:1000 dilution
Lane 1: Hela whole cell lysates
Lane 2: Jurkat whole cell lysates
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 60 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-TYR antibody	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.
Product Categories/Family for anti-TYR antibody	Cancer; Metabolism; Signal Transduction
References	Giebel L.B.,et al.Genomics 9:435-445(1991). Kwon B.S.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:7473-7477(1987). Kwon B.S.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:6352-6352(1988). Bouchard B.,et al.J. Exp. Med. 169:2029-2042(1989). Chintamaneni C.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:5272-5276(1991).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507753
NCBI GeneID	7299
NCBI Accession #	NP_000363.1
NCBI GenBank Nucleotide #	NM_000372.4
UniProt Accession #	P14679; Q15675; Q15676; Q15680; Q8TAK4; Q9BYY0; Q9BZX1
Molecular Weight	60.4 kDa
NCBI Official Full Name	tyrosinase
NCBI Official Synonym Full Names	tyrosinase
NCBI Official Symbol	TYR
NCBI Official Synonym Symbols	ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3
NCBI Protein Information	tyrosinase
UniProt Protein Name	Tyrosinase
UniProt Gene Name	TYR
UniProt Entry Name	TYRO_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/tyrosinase-antibody-western-blot-elisa/284889>