

Rabbit Tyrosinase Polyclonal Antibody | anti-TYR antibody

Tyrosinase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31081	Rabbit	Human, Mouse, Monkey	Western Blot, Immunohistochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

Tyrosinase; Polyclonal Antibody; Tyrosinase Antibody; ATN; CMM8; LB24 AB; LB24-AB; Monophenol monooxygenase; OCA1; OCA1A; OCAIA; Oculocutaneous albinism IA; SHEP3; SK29 AB; SK29-AB; Tumor rejection antigen AB; TYR; TYRO_HUMAN; tyrosinase (oculocutaneous albinism IA); anti-TYR antibody

PRODUCT SPECIFICATIONS

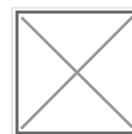
Host	Rabbit
Reactivity	Human, Mouse, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	Tyrosinase antibody detects endogenous levels of total Tyrosinase
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	529
Applicable Applications for anti-TYR antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:100-1:500 EIA(peptide): 1:20000- 1:40000 IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human Tyrosinase, corresponding to a region within C-terminal amino acids.
Similarity	Belongs to the tyrosinase family.
Preparation and Storage	Store at -20 degree C.Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA31081 staining LOVO cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.



IF (Immunofluorescence)

AAA31081 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31081 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.



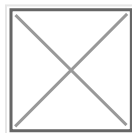
IHC (Immunohistochemistry)

AAA31081 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



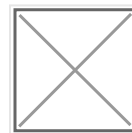
WB (Western Blot)

Western blot analysis of Tyrosinase expression in COS7 cells. The lane on the left was treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis of extracts from HUVEC, using Tyrosinase Ab. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western Blot (WB) analysis of extracts from various samples, using Tyrosinase Ab. Lane 1: Hela cells, treated with blocking peptide; Lane 2: Hela cells; Lane 3: COS-7; Lane 4: B16F10 cells.

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.

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	70 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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tyrosinase-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/31081>