Product Datasheet

Tyrosinase Antibody

Catalog No: #33534

Package Size: #33534-1 50ul #33534-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

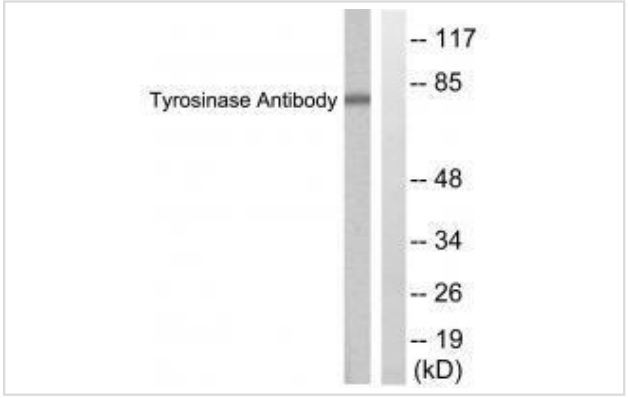
Description

Product Name	Tyrosinase Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total tyrosinase protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human tyrosinase.
Target Name	Tyrosinase
Other Names	TYR; EC 1.14.18.1; Monophenol monooxygenase; Tumor rejection antigen AB; SK29-AB
Accession No.	Swiss-Prot: P14679NCBI Gene ID: 7299
Uniprot	P14679
GeneID	7299;
SDS-PAGE MW	80kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

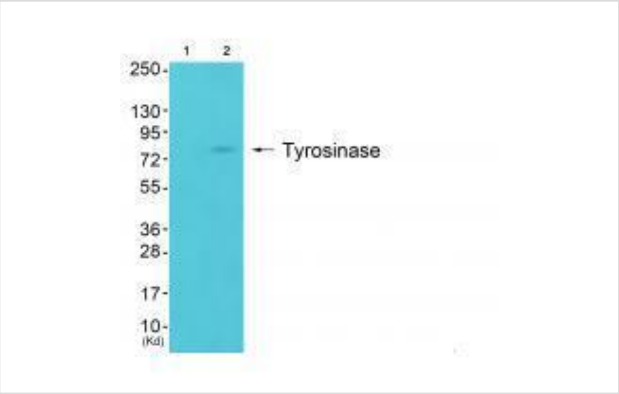
Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from COS7 cells, treated with UV (30mins), using Tyrosinase antibody #33534.



Western blot analysis of extracts from HepG2 cells (Lane 2), using Tyrosinase antiobdy #33534. The lane on the left is treated with synthesized peptide.

Background

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.

Patricia Giraldo, Nucleic Acids Res., Nov 2003; 31: 6290 - 6305.

R Halaban, J. Cell Biol., Aug 1983; 97: 480.

Hee-Young Park, J. Biol. Chem., Jun 1999; 274: 16470.

BB Fuller, J. Biol. Chem., Mar 1987; 262: 4024 - 4033.

Note: This product is for in vitro research use only