Affinity Biosciences
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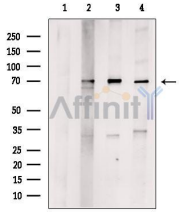
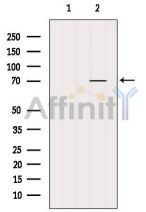
Tyrosinase Ab

Cat.#: AF5491	Concn.: 1mg/ml	Mol.Wt.: 70 kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

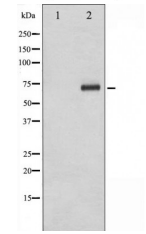
Application:	WB 1:500-1:2000,IHC 1:50-1:200,IF 1:100-1:500
Reactivity:	Human,Mouse,Monkey
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	Tyrosinase Ab detects endogenous levels of total Tyrosinase.
Immunogen:	A synthesized peptide derived from human Tyrosinase.
Uniprot:	P14679
Description:	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.
Subcellular Location:	Melanosome membrane.
Tissue Specificity:	Increased expression after UVB irradiation.
Similarity:	Belongs to the tyrosinase family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



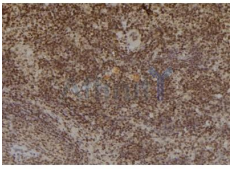
Western blot analysis of extracts from various samples, using Tyrosinase Ab.
Lane 1: Hela cells, treated with blocking peptide;
Lane 2: Hela cells;
Lane 3: COS-7;
Lane 4: B16F10 cells.



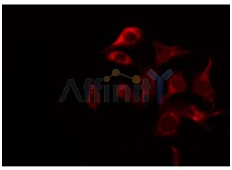
Western blot analysis of extracts from HUVEC, using Tyrosinase Ab. The lane on the left was treated with blocking peptide.



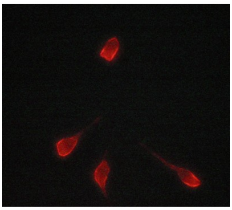
Western blot analysis of Tyrosinase expression in COS7 cells.The lane on the left was treated with the antigen-specific peptide.



AF5491 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.



AF5491 staining COS7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.



AF5491 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.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.