



Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Store at -20C
#9319

Tyrosinase (T311) Mouse mAb (IHC Specific)

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: IHC-P	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 70-80	Source/Isotype: Mouse IgG2a	UniProt ID: #P14679	Entrez-Gene Id: 7299
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Product Usage Information

Application

Immunohistochemistry (Paraffin)

Dilution

1:200

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Tyrosinase (T311) Mouse mAb detects endogenous levels of total tyrosinase protein.

Source / Purification

Tyrosinase (T311) Mouse mAb is produced by immunizing animals with a purified recombinant tyrosinase.

Background

Tyrosinase, found in the membrane of melanosomes (1), is a key enzyme in the biosynthesis of melanin pigments (1,2). It is a melanocyte differentiation antigen and is expressed in normal melanocytes and malignant melanomas (1,3). Tyrosinase is implicated to be an antigen target for melanoma vaccines (1).

Background References

1. Chen, Y.T. et al. (1995) *Proc Natl Acad Sci USA* 92, 8125-9.
2. Kwon, B.S. (1993) *J Invest Dermatol* 100, 134S-140S.
3. Kwon, B.S. et al. (1987) *Proc Natl Acad Sci USA* 84, 7473-7.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key

IHC-P: Immunohistochemistry (Paraffin)

Cross-Reactivity Key

H: Human

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