

Anti-MC1R Polyclonal Antibody 3

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 35 kDa. Actual: 34 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: MCF-7 (Human) Cell Lysate at 30 µg A549 (Human) Cell Lysate at 30 µg Primary: Anti-MC1 Receptor (TMAB-08654) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kD</p> <p>Observed band size: 34 kD</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (Human melanoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MC1) Polyclonal Antibody, Unconjugated (TMAB-08654) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MC1 Receptor
Antigen Species:	Human
Gene ID:	4157

Research Background

Enables melanocyte-stimulating hormone receptor activity. Involved in intracellular signal transduction; positive regulation of intracellular signal transduction; and positive regulation of transcription by RNA polymerase II. Acts upstream of or within melanin biosynthetic process; pigmentation; and sensory perception of pain. Predicted to be located in membrane. Predicted to be integral component of membrane. Predicted to be active in cytoplasm and plasma membrane. Is expressed in ductus deferens; epididymis; esophagus; and skin. Human ortholog(s) of this gene implicated in familial melanoma; major depressive disorder; melanoma; oculocutaneous albinism type II; and pigmentation disease. Orthologous to human MC1R (melanocortin 1 receptor). [provided by Alliance of Genome Resources, Nov 2021]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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