

MiTF Antibody (C5)

Tested Species Reactivity	Published Species Reactivity
Canine (Ca)	Human (Hu)
Equine (Eq)	Mouse (Ms)
Human (Hu)	Rat (Rt)
Mouse (Ms)	
Rat (Rt)	

Tested Applications	Dilution *
Western Blot (WB)	2-4 ug/ml
Immunohistochemistry (Paraffin) (IHC (P))	Assay Dependent
Flow Cytometry (Flow)	0.5-1 ug/test
Gel Shift (GS)	1mg/mL
Published Applications	Dilution
Western Blot (WB)	See publications
Immunocytochemistry (ICC)	See publications
Immunohistochemistry (IHC)	See publications
Flow Cytometry (Flow)	See publications
Immunoprecipitation (IP)	See publications
ChIP assay (ChIP)	See publications
Gel Shift (GS)	See publications

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Product Specific Information	General Information
MA5-14146 targets MiTF in IHC (paraffin), FACS, GS and WB applications and shows reactivity with Canine, Equine, Human, mouse, and Rat samples.	Mi is a basic helix-loop-helix-leucine zipper (b-HLH-ZIP) transcription factor implicated in pigmentation, mast cells and bone development. The mutation of Mi causes Waardenburg Syndrome type II in humans. In mice, a profound loss of pigmented cells in the skin eye and inner ear results, as well as osteopetrosis and defects in natural killer and mast cells. There are two known isoforms of Mi differing by 66 amino acids at the NH2 terminus. Shorter forms are expressed in melanocytes and run as two bands at 52kDa and 56kDa, while the longer Mi form runs as a cluster of bands at 60-70kDa in osteoclasts and in B16 melonoma cells (but not other melanoma cell lines), as well as mast cells and heart.
The MA5-14146 immunogen is n-terminal fragment of human Mi protein. <div>For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.</div>	

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