

For Research Use Only

TRP2/DCT Recombinant monoclonal antibody

Catalog Number: 88100-1-RR



Basic Information

Catalog Number: 88100-1-RR	GenBank Accession Number: BC028311	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 1638	CloneNo.: 260396B12
Isotype: IgG	UNIPROT ID: P40126	Recommended Dilutions: WB: 1:1000-1:4000
Immunogen Catalog Number: AG26165	Full Name: dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	
	Calculated MW: 519 aa, 59 kDa	
	Observed MW: 59-63 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, rat, monkey	WB : A375 cells, rat skin tissue, A431 cells, HL-60 cells, MCF-7 cells, COS-7 cells

Background Information

DCT (L-dopachrome Delta-isomerase) is also named as TYRP2, TRP2 and belongs to the tyrosinase family. Human TYRP2 protein has 83% identity and 90% similarity to the mouse sequence and has all the structural characteristics of the tyrosinase protein family, including a signal peptide, 15 conserved cysteine residues, 2 copper-binding domains, and a C-terminal membrane-spanning region (PMID:8206391). TYRP2 is involved in neural progenitor cell proliferation and has been implicated in drug and radiation resistance in malignant melanoma. Mutations in DCT cause oculocutaneous albinism type VIII (OCA8), and TYRP2 serves as both an early melanoblast marker and a melanoma-associated antigen with clinical relevance as a potential biomarker in immune checkpoint therapy.

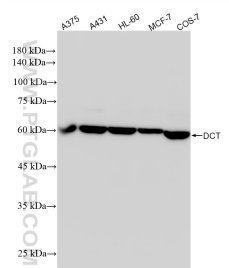
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88100-1-RR (DCT antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.