

For Research Use Only

Cytokeratin 40 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86531-2-PBS



Basic Information

Catalog Number:	86531-2-PBS	GenBank Accession Number:	BC150191	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI):	125115	CloneNo.:	251245C5
Source:	Rabbit	UNIPROT ID:	Q6A162		
Isotype:	IgG	Full Name:	keratin 40		
		Calculated MW:	431 aa, 48 kDa		
		Observed MW:	48 kDa		

Applications

Tested Applications:
WB, Indirect ELISA
Species Specificity:
human

Background Information

Keratin 40 (KRT40) is a type I (acidic) keratin protein encoded by the KRT40 gene located on human chromosome 17q21.2. As a member of the intermediate filament (IF) protein superfamily, keratin 40 contributes to the cytoskeletal framework of epithelial cells, forming heteropolymeric filaments that provide mechanical support and structural integrity to tissues such as hair follicles, wool fibers, and certain glandular epithelia. KRT40 is expressed at relatively low levels under normal physiological conditions, but its expression becomes significant in specialized contexts. In hair biology, KRT40 is considered a hub gene involved in hair follicle development, cell cycle regulation, and melanogenesis, with its transcripts localized specifically to the fiber cuticle in species like sheep and yak, indicating a structural role in hair shaft formation.

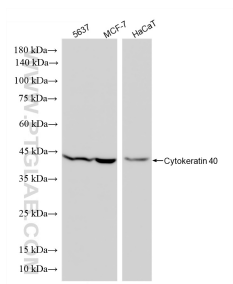
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86531-2-RR (KRT40 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86531-2-PBS in a different storage buffer formulation.