

For Research Use Only

KERA Polyclonal antibody

Catalog Number: 13728-1-AP



Basic Information

Catalog Number: 13728-1-AP	GenBank Accession Number: BC032667	Purification Method: Antigen affinity purification
Size: 650 µg/ml	GeneID (NCBI): 11081	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: O60938	
Isotype: IgG	Full Name: keratocan	
Immunogen Catalog Number: AG4689	Calculated MW: 352 aa, 41 kDa	
	Observed MW: 40-50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U-251 cells,
Species Specificity: human	

Background Information

Keratocan and Lumican are the predominant class II SLRPs (Small leucine-rich proteoglycans) in the corneal stroma. While not totally corneal-specific together these SLRPs are excellent biomarkers for the tissue. Mutant mice deficient for keratocan expression have transparent but thin corneal stromas with a mild increase in collagen fibril diameter with no further abnormalities. In humans, mutations in the keratocan gene are associated with a flattened cornea in a rare condition known as cornea plana. The relative specificity of keratocan to corneal keratocytes has been useful for tissue-specific targeting for genetic manipulation of the corneal stroma. (PMID: 32663498)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

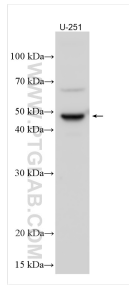
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Selected Validation Data



U-251 cells were subjected to SDS PAGE followed by western blot with 13728-1-AP (KERA antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.