

For Research Use Only

# Keratin 77 Recombinant antibody

Catalog Number: 83415-3-RR



## Basic Information

<b>Catalog Number:</b> 83415-3-RR	<b>GenBank Accession Number:</b> BC122558	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 374454	<b>CloneNo.:</b> 240490A11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7Z794	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> keratin 77	
<b>Immunogen Catalog Number:</b> AG21942	<b>Calculated MW:</b> 578 aa, 62 kDa	
	<b>Observed MW:</b> 61 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells,
<b>Species Specificity:</b> Human	

## Background Information

Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. The KRT77 gene is a type II epithelial cell  $\alpha$ -keratin gene family member that is expressed in the skin and eccrine sweat glands. KRT77 has N- and C-terminal domains and a central rod domain consisting of 4 alpha-helical regions separated by 3 nonhelical linker sequences.

## Storage

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

\*\*\* 20ul sizes contain 0.1% BSA

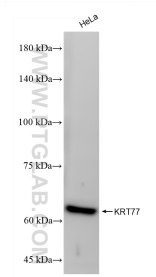
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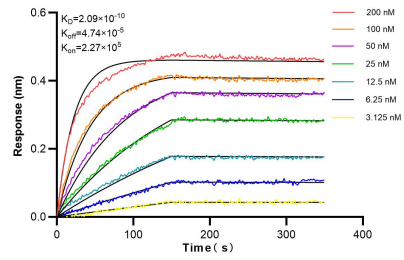
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 83415-3-RR (KRT77 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83415-3-RR against Human KRT77 were performed. The affinity constant is 0.209 nM.