

For Research Use Only

# RNF6 Recombinant monoclonal antibody, PBS Only

Catalog Number:87086-1-PBS



## Basic Information

<b>Catalog Number:</b> 87086-1-PBS	<b>GenBank Accession Number:</b> BC034688	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6049	<b>CloneNo.:</b> 252272C7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y252	
<b>Isotype:</b> IgG	<b>Full Name:</b> ring finger protein (C3H2C3 type) 6	
<b>Immunogen Catalog Number:</b> AG14209	<b>Calculated MW:</b> 685 aa, 78 kDa	
	<b>Observed MW:</b> 75-78 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, rat

## Background Information

RNF6 was firstly cloned in a genetic study of chromosomal rearrangements in myeloproliferative disorders, mapping to chromosome 13q12.12 [PMID:10331950]. It containing a coiled-coil domain at the N-terminus, and a RING-H2 finger at the C-terminus which is responsible for its ubiquitin ligase activity. It also activate Inha gene expression by participating in a protein complex binding to the promoter region [PMID:11971979]. In addition, LIMK1 is a substrate of RNF6 and the RNF6-induced LIMK1 polyubiquitination is mediated via K48 of ubiquitin and leads to proteasomal degradation of the kinase [PMID:16204183].

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

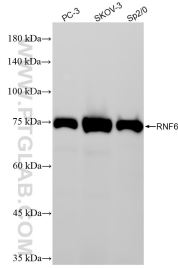
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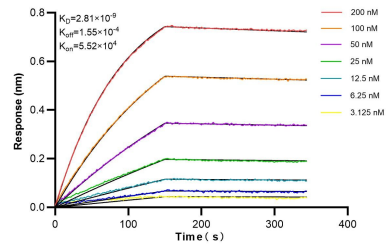
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87086-1-RR (RNF6 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87086-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87086-1-RR against Human RNF6 were performed. The affinity constant is 2.81 nM.