

For Research Use Only

# SIGIRR Polyclonal antibody

Catalog Number: 27828-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 27828-1-AP	<b>GenBank Accession Number:</b> BC025953	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 650 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 59307	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 46 kDa	
<b>Immunogen Catalog Number:</b> AG25850	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: mouse lung tissue,
<b>Cited Applications:</b> ELISA, WB	
<b>Species Specificity:</b> Human, Mouse	
<b>Cited Species:</b> human, mouse, pig	

## Background Information

SIGIRR (also known as TIR8) is a member of the toll-like receptor (TLR)/interleukin 1 receptor (IL-1R) superfamily, with a single immunoglobulin extracellular domain and a TIR (Toll/IL-1R) intracellular domain. SIGIRR functions as a negative regulator for IL-1 and LPS signaling, through its interaction with the TLR4 and IL-1R complex. SIGIRR is an important modulator of intestinal epithelial homeostasis and a key regulator of mucosal immunity, maintaining microbial tolerance of the intestinal epithelial layer (PMID: 17398123). The molecular weight of the glycosylated SIGIRR was found to be in the range 50-80 kDa (PMID: 10346978; 17495864).

## Notable Publications

Author	Pubmed ID	Journal	Application
Shunli Yang	31684202	Viruses	WB
Chang Jia	34083516	Cell Death Dis	WB
Zhengwang Wen	36600293	Ital J Pediatr	WB, ELISA

## Storage

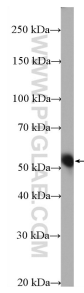
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

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

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## Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 27828-1-AP (SIGIRR antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.