

For Research Use Only

SIGIRR Polyclonal antibody

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



Basic Information

Catalog Number:

27828-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25850

GenBank Accession Number:

BC025953

GeneID (NCBI):

59307

UNIPROT ID:

Q6IA17

Full Name:

single immunoglobulin and toll-interleukin 1 receptor (TIR) domain

Calculated MW:

46 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, ELISA

Species Specificity:

Human, Mouse

Cited Species:

human, mouse, pig

Positive Controls:

WB : mouse lung tissue,

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

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

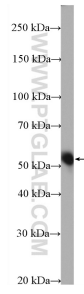
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

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.