

For Research Use Only

SIGIRR Polyclonal antibody

Catalog Number: 27828-1-AP

3 Publications



Basic Information

Catalog Number:

27828-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, ELISA

Species Specificity:

human, mouse

Cited Species:

human, mouse, pig

Positive Controls:

WB: mouse lung tissue,

IHC: human intrahepatic cholangiocarcinoma tissue, human ovary cancer tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

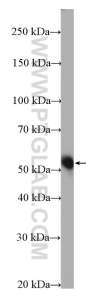
For technical support and original validation data for this product please contact:

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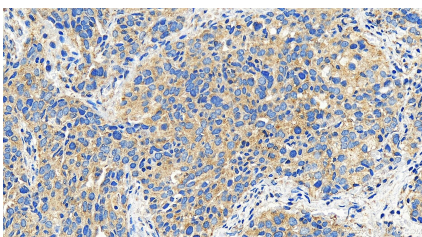
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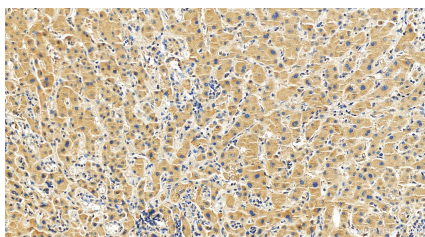
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 27828-1-AP (SIGIRR antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 27828-1-AP (SIGIRR antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).