

Rabbit anti-Mouse, Rat SIGIRR Polyclonal Antibody | anti-SIGIRR antibody

Anti-SIGIRR Antibody, Rabbit Polyclonal

CATALOG # AAA255067	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry
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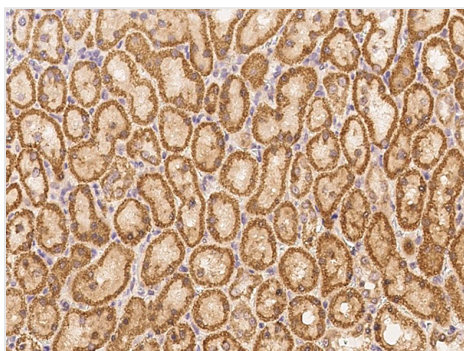
PRODUCT SYNONYMS

SIGIRR; Polyclonal Antibody; Anti-SIGIRR Antibody; Rabbit Polyclonal; SIGIRR/TIR8 Antibody; Rabbit PAb; Antigen Affinity Purified; single immunoglobulin and toll-interleukin 1 receptor (TIR) domain; Anti-AI256711 Antibody; Anti-TIR8 Antibody; anti-SIGIRR antibody

PRODUCT SPECIFICATIONS

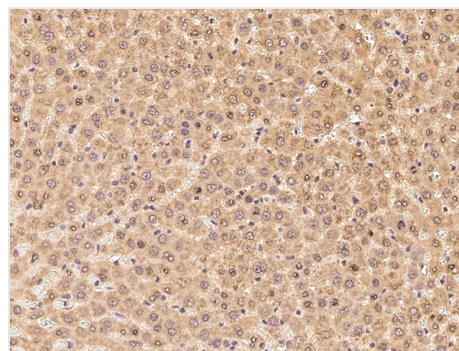
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse SIGIRR
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SIGIRR antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Mouse SIGIRR/TIR8
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse SIGIRR/TIR8, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



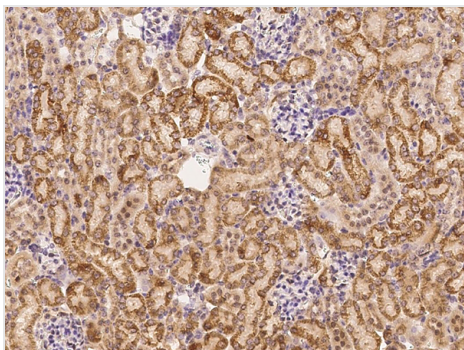
IHC (Immunohistochemistry)

Immunochemical staining SIGIRR in rat kidney with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



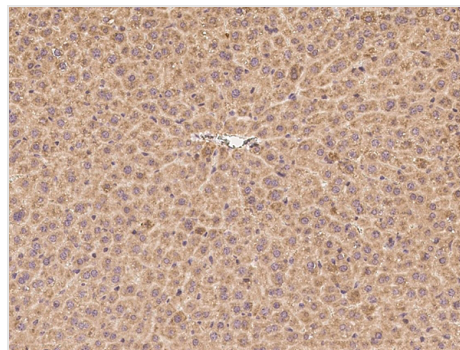
IHC (Immunohistochemistry)

Immunochemical staining SIGIRR in rat liver with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining SIGIRR in mouse kidney with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining SIGIRR in mouse liver with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SIGIRR antibody	Single Ig IL-1-related receptor (SIGIRR) or TIR8 is a member of Toll-like receptor-interleukin 1 receptor signaling (TLR-IL-1R) receptor superfamily. Although SIGIRR/TIR8 shows the typical conserved motifs that characterize the IL-1R and Toll superfamily, it is structurally and functionally distinct from both. SIGIRR/TIR8 has only one Ig domain in its extracellular portion whereas the IL-1R family contains three Ig folds. An unusually long cytoplasmic domain is reminiscent of the structure of drosophila Toll, yet the SIGIRR peptide sequence is more closely related to IL-1RI. SIGIRR/TIR8 was mainly expressed in mouse and human epithelial tissues such as kidney, lung and gut. Resting and activated T and B lymphocytes and monocytes-macrophages expressed little or no SIGIRR/TIR8, with the exception of the mouse GG2EE macrophage line. Inflammation is enhanced in SIGIRR-deficient mice. SIGIRR negatively modulates immune responses. Inflammation is enhanced in SIGIRR-deficient mice, as shown by their enhanced chemokine induction after IL-1 injection and reduced threshold for lethal endotoxin challenge.
References	Wald D, et al. (2003) SIGIRR, a negative regulator of Toll-like receptor-interleukin 1 receptor signaling. Nat Immunol. 4(9): 920-7. Polentarutti N, et al. (2003) Unique pattern of expression and inhibition of IL-1 signaling by the IL-1 receptor family member TIR8/SIGIRR. Eur Cytokine Netw. 14(4): 211-8. Wald D, et al. (2003) SIGIRR, a negative regulator of Toll-like receptor-interleukin 1 receptor signaling. Nat Immunol. 4(9): 920-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110625701
NCBI GeneID	24058
NCBI Accession #	NP_075546.2
NCBI GenBank Nucleotide #	NM_023059.3
UniProt Accession #	Q9JLZ8; Q52L48
Molecular Weight	46,159 Da
NCBI Official Full Name	single Ig IL-1-related receptor
NCBI Official Synonym Full Names	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain
NCBI Official Symbol	Sigirr
NCBI Official Synonym Symbols	TIR8; AI256711
NCBI Protein Information	single Ig IL-1-related receptor; toll/interleukin-1 receptor 8; single Ig IL-1R-related protein; single Ig IL-1R-related molecule; single Ig IL-1 receptor related protein; single immunoglobulin domain-containing IL1R-related protein
UniProt Protein Name	Single Ig IL-1-related receptor
UniProt Gene Name	Sigirr
UniProt Synonym Gene Names	Tir8; TIR8
UniProt Entry Name	SIGIR_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sigirr-antibody-immunohistochemistry-elisa/255067>