

Datasheet for ABIN500712
anti-SIGIRR antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	SIGIRR
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIGIRR antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunofluorescence (IF)

Product Details

Immunogen:	SIGIRR antibody was raised against a synthetic peptide corresponding to 15 amino acids at the C-terminus of mouse SIGIRR.
Isotype:	IgG
Specificity:	This antibody detects SIGIRR / TIR8 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	SIGIRR
Alternative Name:	SIGIRR / TIR8 (SIGIRR Products)

Target Details

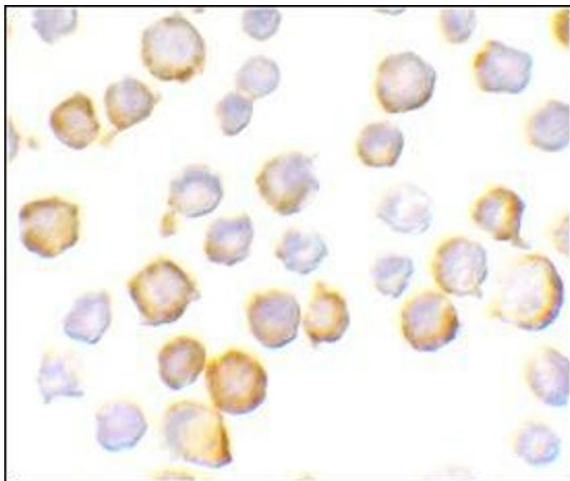
Background:	SIGIRR is a member of the Toll-like receptor-interleukin 1 receptor superfamily. Members of this family are defined by the presence of an intracellular Toll-IL-1R (TIR) domain. The Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses (1,2). SIGIRR was originally identified through database analysis and was shown to have only one Ig domain as opposed to the normal three Ig folds seen in the TIR family (3). Similar to ST2, another TIR family member, it has been shown to negatively regulate IL-1 receptor and Toll-like receptor signaling (4,5). However, SIGIRR inhibits TLR-IL-1R signaling by dimerizing with TLR4, TLR5, TLR9, and IL-1R. It also associates with the down-stream TLR signaling proteins IRAK and TRAF6 in an IL-1-dependent fashion (4).Synonyms: Single Ig IL-1-related receptor, Single Ig IL-1R-related molecule, Single immunoglobulin domain-containing IL1R-related protein, Toll/interleukin-1 receptor 8, UNQ301/PRO342
Gene ID:	59307
UniProt:	Q6IA17
Pathways:	Toll-Like Receptors Cascades

Application Details

Application Notes:	ELISA. Western blot: 0.5 to 1 µg/mL. Immunofluorescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

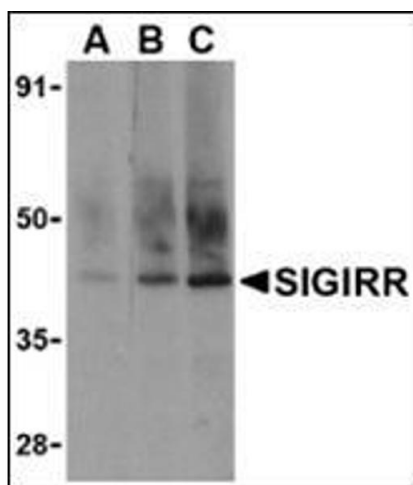
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of SIGIRR in A549 cells with this product at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of SIGIRR in A549 cell lysate with this product at (A) 0.5, (B) 1, and (C) 2 µg/ml.