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Datasheet for ABIN6990481 **anti-SIGIRR antibody (C-Term)**

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), Immunocytochemistry (ICC), ELISA

Product Details

Immunogen:	SIGIRR antibody was raised against a synthetic peptide corresponding to 15 amino acids at the C-terminus of human SIGIRR. The immunogen is located within the last 50 amino acids of SIGIRR.
Isotype:	IgG
Purification:	SIGIRR Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SIGIRR
Alternative Name:	SIGIRR (SIGIRR Products)
Background:	SIGIRR Antibody: 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

Target Details

(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. 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. Similar to ST2, another TIR family member, it has been shown to negatively regulate IL-1 receptor and Toll-like receptor signaling. 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.

Molecular Weight: Predicted: 45 kDa

Observed: 45 kDa

Gene ID: 59307

UniProt: [Q6IA17](#)

Pathways: [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: SIGIRR antibody can be used for the detection of SIGIRR by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL.

Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: SIGIRR Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Handling

Storage Comment: SIGIRR antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.