



[Go to Product page](#)

Datasheet for ABIN7169602  
**anti-SIGMAR1 antibody (AA 112-169) (HRP)**

### Overview

Quantity:	100 µg
Target:	SIGMAR1
Binding Specificity:	AA 112-169
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIGMAR1 antibody is conjugated to HRP
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Sigma non-opioid intracellular receptor 1 protein (112-169AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	SIGMAR1
Alternative Name:	SIGMAR1 ( <a href="#">SIGMAR1 Products</a> )
Background:	Background: Functions in lipid transport from the endoplasmic reticulum and is involved in a wide array of cellular functions probably through regulation of the biogenesis of lipid

## Target Details

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microdomains at the plasma membrane. Involved in the regulation of different receptors it plays a role in BDNF signaling and EGF signaling. Also regulates ion channels like the potassium channel and could modulate neurotransmitter release. Plays a role in calcium signaling through modulation together with ANK2 of the ITP3R-dependent calcium efflux at the endoplasmic reticulum. Plays a role in several other cell functions including proliferation, survival and death. Originally identified for its ability to bind various psychoactive drugs it is involved in learning processes, memory and mood alteration (PubMed:16472803, PubMed:9341151). Necessary for proper mitochondrial axonal transport in motor neurons, in particular the retrograde movement of mitochondria (By similarity).

Aliases: Aging associated gene 8 protein antibody, Aging-associated gene 8 protein antibody, AL024364 antibody, hSigmaR1 antibody, mSigmaR1 antibody, opioid receptor, sigma 1 antibody, opioid receptor, sigma 1 isoform 1 antibody, RP23 167112.6 antibody, SGMR1\_HUMAN antibody, SIG 1R antibody, SIG-1R antibody, Sigma 1-type opioid receptor antibody, Sigma non-opioid intracellular receptor 1 antibody, sigma1 receptor antibody, Sigma1-receptor antibody, Sigma1R antibody, Sigmar1 antibody, SR BP antibody, SR-BP antibody, SR31747 binding protein antibody, SR31747-binding protein antibody, SRBP antibody

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UniProt: [Q99720](#)

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Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.