

A14837

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## SIGMAR1 Rabbit pAb

Catalog No.: A14837

### Basic Information

**Observed MW**

25kDa

**Calculated MW**

25kDa

**Category**

Polyclonal Antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human, Rat

### Background

This gene encodes a receptor protein that interacts with a variety of psychotomimetic drugs, including cocaine and amphetamines. The receptor is believed to play an important role in the cellular functions of various tissues associated with the endocrine, immune, and nervous systems. As indicated by its previous name, opioid receptor sigma 1 (OPRS1), the product of this gene was erroneously thought to function as an opioid receptor; it is now thought to be a non-opioid receptor. Mutations in this gene has been associated with juvenile amyotrophic lateral sclerosis 16. Alternative splicing of this gene results in transcript variants encoding distinct isoforms.

### Recommended Dilutions

WB 1:500 - 1:2000

### Immunogen Information

**Gene ID**

10280

**Swiss Prot**

Q99720

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 31-80 of human SIGMAR1 (NP\_005857.1).

**Synonyms**

SRBP; ALS16; DSMA2; OPRS1; SR-BP; SIG-1R; SR-BP1; sigma1R; hSigmaR1; SIGMAR1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

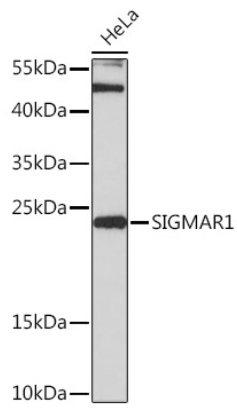
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from HeLa cells, using SIGMAR1 Rabbit pAb (A14837) at 1:3000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.