

SIGMAR1

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:100 - 1:200

Calculated MW: 25kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human SIGMAR1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

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

Catalog #: A5479

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10280

Isotype: IgG

Swiss Prot: Q99720

Purity: Affinity purification

For research use only.

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.

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