

For Research Use Only

SIGMAR1 Recombinant antibody

Catalog Number:85064-1-RR



Basic Information

Catalog Number:

85064-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7351

GenBank Accession Number:

BC004899

GeneID (NCBI):

10280

UNIPROT ID:

Q99720

Full Name:

sigma non-opioid intracellular receptor 1

Calculated MW:

25 kDa

Observed MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

242621C6

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293T cells, COLO 320 cells, C2C12 cells, C6 cells, mouse colon tissue, rat colon tissue

Background Information

SIGMAR1, also named as OPRS1, SRBP, SIG-1R and AAG8, belongs to the ERG2 family. It is an endoplasmic reticulum chaperone that binds a wide variety of ligands, including neurosteroids, psychostimulants, and dextrobenzomorphans. SIGMAR1 is ubiquitously expressed, and is enriched in motor neurons of the brain and spinal cord. It plays a role in calcium signaling through modulation together with ANK2 of the ITP3R-dependent calcium efflux at the endoplasmic reticulum. SIGMAR1 plays a role in several other cell functions including proliferation, survival and death. SDS-PAGE and Western blot analysis showed that SIGMAR1 has an apparent molecular mass of 25 kDa. SIGMAR1 has 5 isoforms with MW 21-27kDa and 12kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

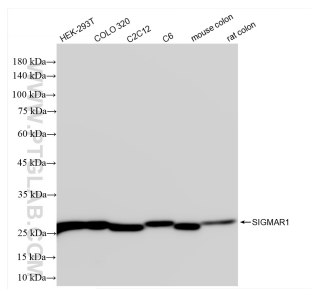
T: 4006900926

E: Proteintech-CN@ptglab.com

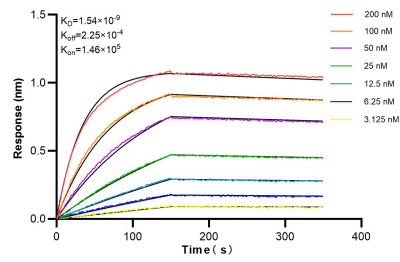
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85064-1-RR (SIGMAR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85064-1-RR against Human SIGMAR1 were performed. The affinity constant is 1.54 nM.