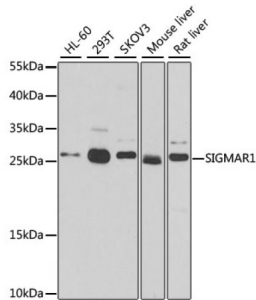
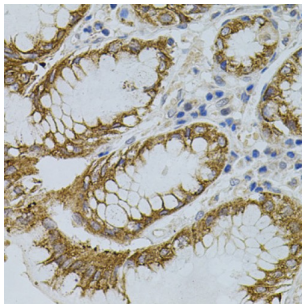


## sigma R1 Antibody

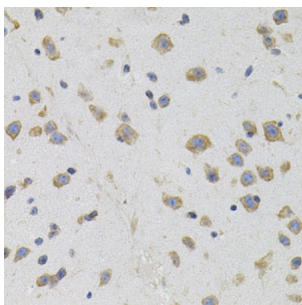
Catalogue No.: abx004198



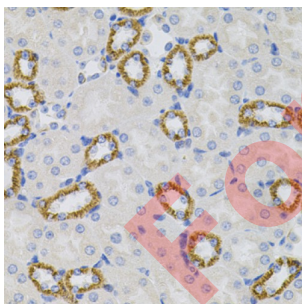
Western blot analysis of extracts of various cell lines using SIGMAR1 Antibody (1/50 dilution).



Immunohistochemistry of paraffin-embedded Human stomach using SIGMAR1 Antibody



Immunohistochemistry of paraffin-embedded Mouse brain using SIGMAR1 Antibody



Immunohistochemistry of paraffin-embedded Mouse kidney using SIGMAR1 Antibody

SIGMAR1 Antibody is a Rabbit Polyclonal antibody against SIGMAR1. 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.

**Target:** sigma R1

# Datasheet

Version: 3.0.0  
Revision date: 05 Mar 2025



|                               |                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality:</b>             | Polyclonal                                                                                                                                 |
| <b>Reactivity:</b>            | Human, Mouse, Rat                                                                                                                          |
| <b>Tested Applications:</b>   | WB, IHC                                                                                                                                    |
| <b>Host:</b>                  | Rabbit                                                                                                                                     |
| <b>Recommended dilutions:</b> | WB: 1/500 - 1/2000, IHC-P: 1/100 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.      |
| <b>Conjugation:</b>           | Unconjugated                                                                                                                               |
| <b>Immunogen:</b>             | Recombinant protein corresponding to human SIGMAR1                                                                                         |
| <b>Isotype:</b>               | IgG                                                                                                                                        |
| <b>Form:</b>                  | Liquid                                                                                                                                     |
| <b>Purification:</b>          | Purified by affinity chromatography.                                                                                                       |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                             |
| <b>UniProt Primary AC:</b>    | Q99720 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                |
| <b>Gene Symbol:</b>           | SIGMAR1                                                                                                                                    |
| <b>GeneID:</b>                | <a href="#">10280</a>                                                                                                                      |
| <b>NCBI Accession:</b>        | NP_005857.1                                                                                                                                |
| <b>KEGG:</b>                  | hsa:10280                                                                                                                                  |
| <b>String:</b>                | <a href="#">9606.ENSP00000277010</a>                                                                                                       |
| <b>Molecular Weight:</b>      | Calculated MW: 11 kDa/21 kDa/22 kDa/25 kDa<br>Observed MW: 25 kDa                                                                          |
| <b>Buffer:</b>                | PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.                                                                                  |
| <b>Concentration:</b>         | 1 mg/ml                                                                                                                                    |
| <b>Note:</b>                  | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |