Anti-SIGMAR1 Antibody

CATALOG NO.: **A1939-100 100 µl.**

BACKGROUND DESCRIPTION: 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. Alternative splicing of this gene results in transcript variants encoding distinct isoforms.

ALTERNATE NAMES: SIGMAR1; ALS16; DSMA2; OPRS1; SIG-1R; SR-BP; SR-BP1; SRBP; hSigmaR1; sigma1R; sigma non-opioid intracellular receptor 1

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Recombinant protein of human SIGMAR1

MOLECULAR WEIGHT: 25kDa

PURIFICATION: Affinity purified

FORM: Liquid

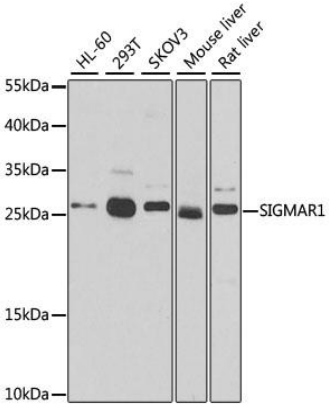
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH7.3

SPECIES REACTIVITY: Rat, Mouse, Human

STORAGE CONDITIONS: Store at -20^{0}C. Avoid freeze / thaw cycles

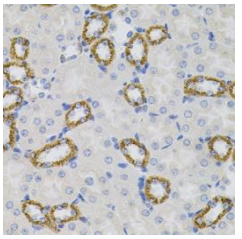
APPLICATIONS AND USAGE: WB 1:500 - 1:2000; IHC 1:100 - 1:200

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user

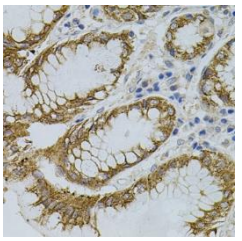


Western blot analysis of extracts of various cell lines, using SIGMAR1 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

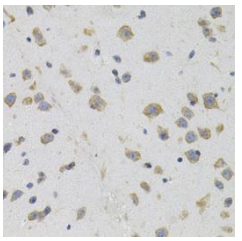
Gentaur Europe BVBA Voortstraat 49, 1910 Kampenhout BELGIUM
Tel 0032 16 58 90 45 info@gentaur.com



Immunohistochemistry of paraffin-embedded mouse kidney using SIGMAR1 antibody (40x lens)



Immunohistochemistry of paraffin-embedded human stomach using SIGMAR1 antibody (40x lens)



Immunohistochemistry of paraffin-embedded mouse brain using SIGMAR1 antibody (40x lens)

RELATED PRODUCTS:

Phospho-AKT1 (Ser473) Antibody (A1041)
S- Adenosylhomocysteine Antibody (Clone # 301-10) (6945)
ACAT1 Antibody (3245)
Anti-PCP4 Antibody (A1703)

FOR RESEARCH USE ONLY! Not to be used on humans.