





SGMR1 Monoclonal Antibody

Catalog No YP-mAb-06183 Isotype IgG Reactivity Human;Rat;Mouse Applications WB Gene Name SIGMAR1 OPRS1 SRBP AAG8 Protein Name Sigma non-opioid intracellular receptor 1 (Aging-associated gene 8 protein) (Sigral 1747-binding protein) (Sigral 1749) (Psigram 1-type opioid receptor) (SiGral R) (Rsigram 1-type opioid receptor) (SiGral R) (Sigram 1-type opioid receptor) (SiGral R) (Sigram 1-type opioid receptor) (SiGral R) (Sigram 14) (Sigram 14) (Sigram 14) (Sigram 1-type opioid receptor) (SiGral R) (Si		
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signaling. Also regulates ion channels like the potassium channel and could modulate neurotransmitter release. Plays a role in calcium signaling through modulation together with ANK2 of the ITP3R-dependent calcium efflux at the endoplasmic reticulum. Plays a role in several other cell functions including proliferation, survival and death. Originally identified for its ability to bind various psychoactive drugs it is involved in learning processes, memory and mood alteration, miscellaneous: Depletion of OPRS1 by RNAi inhibits growth and survival signaling cascades and induces cell death.

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. [provided by RefSeq, Aug 2013],

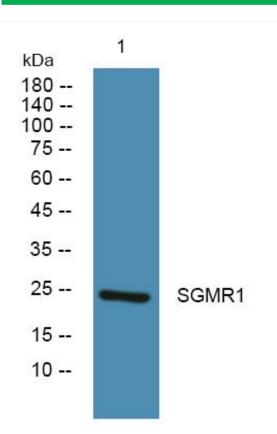
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SGMR1 Monoclonal Antibody