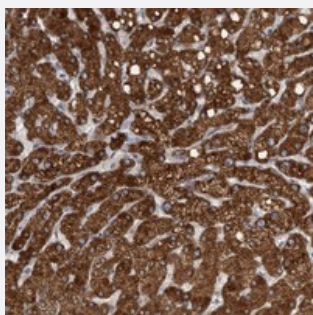


SIGMAR1 polyclonal antibody

Catalog # PAB21642 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human liver with SIGMAR1 polyclonal antibody (Cat # PAB21642) shows strong cytoplasmic positivity in hepatocytes at 1:20-1:50 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant SIGMAR1.
Immunogen	Recombinant protein corresponding to amino acids of human SIGMAR1.
Sequence	HSGRYWAEISDTIISGTFHQWREGTTKSEVFYPGETVVHGPGEATAVEWGPNTWMVEYGRGVIPS TLAFALADTVFSTQDFLTLFYTLRSYARGRLRLTTY
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human liver with SIGMAR1 polyclonal antibody (Cat # PAB21642) shows strong cytoplasmic positivity in hepatocytes at 1:20-1:50 dilution.

Gene Info — SIGMAR1

Entrez GeneID [10280](#)

Protein Accession# [Q99720](#)

Gene Name SIGMAR1

Gene Alias FLJ25585, MGC3851, OPRS1, SR-BP1

Gene Description sigma non-opioid intracellular receptor 1

Omim ID [601978](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. Alternative splicing of this gene results in transcript variants encoding distinct isoforms. [provided by RefSeq]

Other Designations

OTTHUMP00000000515|OTTHUMP00000000516|OTTHUMP00000000517|OTTHUMP00000021286|SR31747 binding protein 1|aging-associated gene 8 protein|opioid receptor, sigma 1|sigma 1 receptor|type I sigma receptor

Disease

- [Alcoholism](#)

- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cognition](#)
- [Cognition Disorders](#)
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- [Schizophrenic Psychology](#)