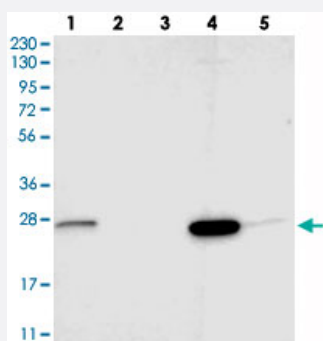


SIGMAR1 polyclonal antibody

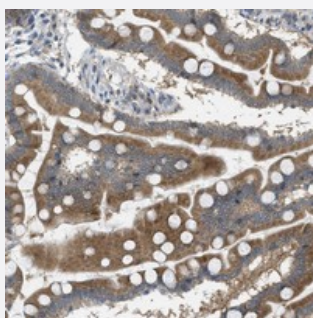
Catalog # PAB20993 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with SIGMAR1 polyclonal antibody (Cat # PAB20993).



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

Immunohistochemical staining of human small intestine with SIGMAR1 polyclonal antibody (Cat # PAB20993) shows distinct positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant SIGMAR1.
Immunogen	Recombinant protein corresponding to amino acids of human SIGMAR1.
Sequence	FVFQREEIAQLARQYAGLDHELAFSRLVELRRLHPGHVLPDEELQWVFNAGG
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification

Isotype	IgG
Recommend Usage	Immunohistochemistry (1:10-1:20) Western Blot (1:250-1:500) 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

- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with SIGMAR1 polyclonal antibody (Cat # PAB20993).

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

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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|sigma1 receptor|type I sigma receptor

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)
- [Neuropsychological Tests](#)
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- [Psychiatric Status Rating Scales](#)
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