

Rabbit anti-Human SIGMAR1 Polyclonal Antibody | anti-SIGMAR1 antibody

SIGMAR1 Antibody

CATALOG # AAA233765	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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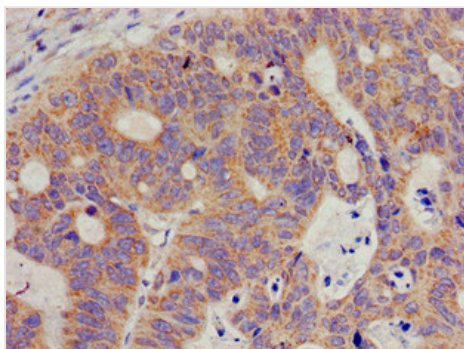
PRODUCT SYNONYMS

SIGMAR1; Polyclonal Antibody; SIGMAR1 Antibody; Sigma non-opioid intracellular receptor 1; Aging-associated gene 8 protein; SR31747-binding protein; SR-BP; Sigma 1-type opioid receptor; SIG-1R; Sigma1-receptor; Sigma1R; hSigmaR1; OPRS1; SRBP; AAG8; anti-SIGMAR1 antibody

PRODUCT SPECIFICATIONS

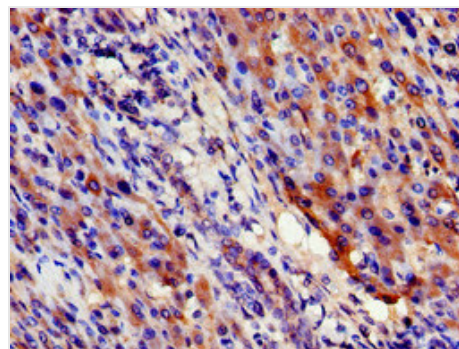
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	155
Applicable Applications for anti-SIGMAR1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Sigma non-opioid intracellular receptor 1 protein (112-169AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA233765 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA233765 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-SIGMAR1 antibody	Functions in lipid transport from the endoplasmic reticulum and is involved in a wide array of cellular functions probably through regulation of the biogenesis of lipid microdomains at the plasma membrane. Involved in the regulation of different receptors it plays a role in BDNF signaling and EGF 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 (PubMed:16472803, PubMed:9341151). Necessary for proper mitochondrial axonal transport in motor neurons, in particular the retrograde movement of mitochondria (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	532524982
NCBI GeneID	10280
NCBI Accession #	NP_001269134.1
NCBI GenBank Nucleotide #	NM_001282205.1
UniProt Accession #	Q99720; O00673; O00725; Q0Z9W6; Q153Z1; Q2TSD1; Q53GN2; Q7Z653; Q8N7H3; Q9NYX0; D3DRM7
Molecular Weight	21,013 Da
NCBI Official Full Name	sigma non-opioid intracellular receptor 1 isoform 6
NCBI Official Synonym Full Names	sigma non-opioid intracellular receptor 1
NCBI Official Symbol	SIGMAR1
NCBI Official Synonym Symbols	SRBP; ALS16; DSMA2; OPRS1; SR-BP; SIG-1R; SR-BP1; sigma1R; hSigmaR1
NCBI Protein Information	sigma non-opioid intracellular receptor 1
UniProt Protein Name	Sigma non-opioid intracellular receptor 1
UniProt Gene Name	SIGMAR1
UniProt Synonym Gene Names	OPRS1; SRBP; SR-BP; SIG-1R; Sigma1-receptor; Sigma1R; hSigmaR1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.