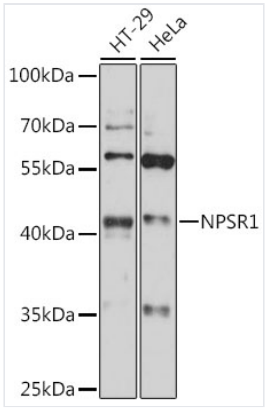
NPSR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NPSR1, Polyclonal Antibody
Full Product Name	NPSR1 Polyclonal Antibody
Product Gene Name	anti-NPSR1 antibody
Product Synonym Names	NPSR1; ASRT2; GPR154; GPRA; NPSR; PGR14; VRR1; neuropeptide S receptor
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Concentration	2.82 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated: 10-18kDa, 35-44kDa Observed: 43kDa
OMIM	phenotype 608595
3D Structure	ModBase 3D Structure for Q6W5P4
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200 to the C-terminus of human NPSR1 (NP_001287863.1).
Immunogen Sequence	SKAKIKAIKYSIIIILAFICCWSPYFLFDILDNFNLLPDTQERFYASVIIQNLPALNSAINPLIYCVFSSSISFPCREQRSQDSRMTFRERTERHEMQILSKPEFI
Positive Samples	HT-29, HeLa
Cellular Location	Cell Membrane, Cytoplasm, Multi-Pass Membrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NPSR1 antibody	Western Blot (WB)
Application Notes for anti-NPSR1 antibody	WB: 1:500-1:2000
Related Product Information for anti-NPSR1 antibody	This gene encodes a member of the vasopressin/oxytocin subfamily of G protein-coupled receptors. The encoded membrane protein acts as a receptor for neuropeptide S and affects a variety of cellular processes through its signaling. Increased expression of this gene in ciliated cells of the respiratory epithelium and in bronchial smooth muscle cells is associated with asthma. Polymorphisms in this gene have also been associated with asthma susceptibility, panic disorders, inflammatory bowel disease, and rheumatoid arthritis. Alternative splicing results in multiple transcript variants.

Other Notes	Small volumes of anti-NPSR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NPSR1 purchase	MBS9140952 is an antibody targeting NPSR1. Also known as NPSR1 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NPSR1 antibody
Western blot-NPSR1 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NPSR1. It may not necessarily be applicable to this product.

NCBI GI #	46395496
NCBI GeneID	387129
NCBI Accession #	NP_997055.1
UniProt Primary Accession #	Q6W5P4
UniProt Related Accession #	Q6W5P4
GenBank Nucleotide #	NP_997055.1
NCBI Official Full Name	neuropeptide S receptor isoform A
NCBI Official Synonym Full Names	neuropeptide S receptor 1
NCBI Official Symbol	NPSR1
NCBI Official Synonym Symbols	GPRA; NPSR; VRR1; ASRT2; PGR14; GPR154
UniProt Protein Name	Neuropeptide S receptor
UniProt Synonym Protein Names	G-protein coupled receptor 154; G-protein coupled receptor PGR14; G-protein coupled receptor for asthma susceptibility
Protein Family	Neuropeptide S receptor
UniProt Gene Name	NPSR1
UniProt Synonym Gene Names	GPR154; GPRA; PGR14
UniProt Entry Name	NPSR1_HUMAN
NCBI Protein Information	neuropeptide S receptor

UniProt Comments for NPSR1	NPSR1: May be active in signaling pathway in an autocrine or paracrine fashion in several tissues. Receptor for neuropeptide S, it may mediate its action, such as inhibitory effects, on cell growth. Involved in pathogenesis of asthma and other IgE-mediated diseases. Defects in NPSR1 are a cause of asthma-related traits type 2 (ASRT2). Asthma-related traits include clinical symptoms of asthma, such as coughing, wheezing, dyspnea, bronchial hyperresponsiveness as assessed by methacholine challenge test, serum IgE levels, atopy and atopic dermatitis. Belongs to the G-protein coupled receptor 1 family. Vasopressin/oxytocin receptor subfamily. 9 isoforms of the human protein are produced by alternative splicing. Protein type: GPCR, family 1; Receptor, GPCR; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 7p14.3 Cellular Component: integral to plasma membrane; cytoplasm; plasma membrane Molecular Function: neuropeptide receptor activity; vasopressin receptor activity Biological Process: neuropeptide signaling pathway; positive regulation of release of sequestered calcium ion into cytosol Disease: Asthma-related Traits, Susceptibility To, 2
Research Articles on NPSR1	**1.** the NPSR1 polymorphisms rs324981, rs6947841, and rs6972158 influenced the association between life-event scores and somatization. The NPSR1 polymorphisms rs12673132 significantly affected the relationship of somatization with psychological distress.
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