Signal Sequence Receptor, Alpha (SSR1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	signal sequence receptor, alpha (SSR1), Polyclonal Antibody
Full Product Name	Rabbit anti-human signal sequence receptor, alpha polyclonal Antibody
Product Gene Name	anti-SSR1 antibody
Product Synonym Names	signal sequence receptor; alpha; SSR1; DKFZp781N23103; FLJ14232; FLJ22100; FLJ23034; FLJ78242; FLJ93042; TRAPA
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen Affinity Purified
Molecular Weight	29,373 Da
OMIM	600868
Immunogen	Human SSR1
Storage Buffer	PBS with 0.1% Sodium Azide, 50% Glycerol, pH 7.3. -20 degree C, Avoid freeze / thaw cycles.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-54423 / sc-54426
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SSR1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-SSR1 antibody	MBS719064 is an antibody targeting SSR1. Also known as Rabbit anti-human signal sequence receptor, alpha polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SSR1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SSR1. It may not necessarily be applicable to this product.

NCBI GI #	14043440
NCBI GeneID	6745
NCBI Accession #	AAH07710.1
UniProt Secondary Accession #	Q53GX2; Q53H19; Q5TAM3; Q6IB43; Q8NBH9; Q96IA2; Q9TNQ8; Q9UN49; A8K685
UniProt Related Accession #	P43307
NCBI Official Full Name	Signal sequence receptor, alpha
NCBI Official Synonym Full Names	signal sequence receptor, alpha
NCBI Official Symbol	SSR1

NCBI Official Synonym Symbols	TRAPA
UniProt Protein Name	Translocon-associated protein subunit alpha
UniProt Synonym Protein Names	Signal sequence receptor subunit alpha; SSR-alpha
Protein Family	Covalently-linked cell wall protein
UniProt Gene Name	SSR1
UniProt Synonym Gene Names	TRAPA; TRAP-alpha; SSR-alpha
UniProt Entry Name	SSRA_HUMAN
NCBI Protein Information	translocon-associated protein subunit alpha; SSR-alpha; TRAP alpha; TRAP-alpha; SSR alpha subunit; signal sequence receptor subunit alpha; translocon-associated protein alpha subunit
NCBI Summary for SSR1	The signal sequence receptor (SSR) is a glycosylated endoplasmic reticulum (ER) membrane receptor associated with protein translocation across the ER membrane. The SSR consists of 2 subunits, a 34-kD glycoprotein encoded by this gene and a 22-kD glycoprotein. This gene generates several mRNA species as a result of complex alternative polyadenylation. This gene is unusual in that it utilizes arrays of polyA signal sequences that are mostly non-canonical. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]
UniProt Comments for SSR1	SSR1: TRAP proteins are part of a complex whose function is to bind calcium to the ER membrane and thereby regulate the retention of ER resident proteins. May be involved in the recycling of the translocation apparatus after completion of the translocation process or may function as a membrane-bound chaperone facilitating folding of translocated proteins. Belongs to the TRAP-alpha family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 6p24.3 Cellular Component: endoplasmic reticulum membrane; endoplasmic reticulum; integral to membrane Molecular Function: protein binding Biological Process: SRP-dependent cotranslational protein targeting to membrane; cellular protein metabolic process; unfolded protein response, activation of signaling protein activity; translation; unfolded protein response; positive regulation of cell proliferation; gene expression; cotranslational protein targeting to membrane
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