10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SSR2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13170b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P43308
Other Accession	Q5E9E4, NP_003136.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32740
Calculated MW	20135
Antigen Region	154-183

Additional Information

Gene ID	6746
Other Names	Translocon-associated protein subunit beta, TRAP-beta, Signal sequence receptor subunit beta, SSR-beta, SSR2, TRAPB
Target/Specificity	This SSR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 154-183 amino acids from the C-terminal region of human SSR2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SSR2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SSR2
Synonyms	TRAPB

Function	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.
Cellular Location	Endoplasmic reticulum membrane; Single-pass type I membrane protein

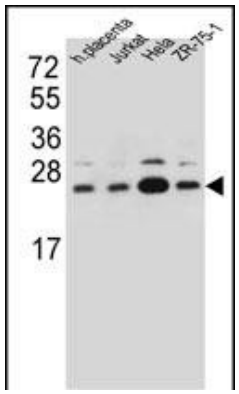
Background

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 (alpha-SSR or SSR1) and a 22-kD glycoprotein (beta-SSR or SSR2). The human beta-signal sequence receptor gene (SSR2) maps to chromosome bands 1q21-q23. [provided by RefSeq].

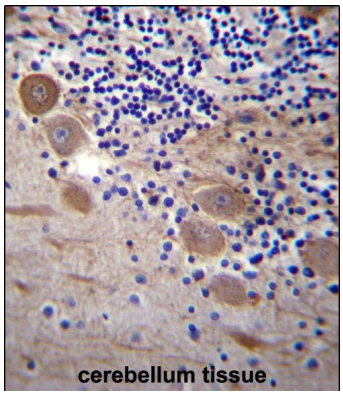
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Sikorska, M., et al. J. Neurosci. Res. 86(8):1680-1693(2008)
Zhang, H., et al. Nat. Biotechnol. 21(6):660-666(2003)
Wang, L., et al. FEBS Lett. 457(3):316-322(1999)
Dodson, G., et al. Curr. Opin. Struct. Biol. 8(2):189-194(1998)

Images

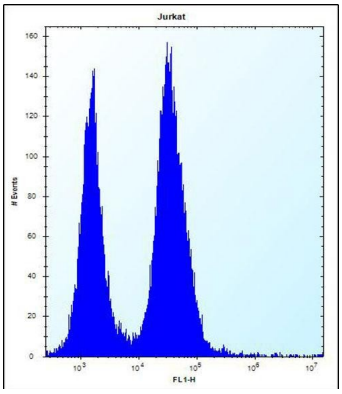


SSR2 Antibody (C-term) (Cat. #AP13170b) western blot analysis in human placenta tissue and Jurkat,Hela,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the SSR2 antibody detected the SSR2 protein (arrow).



SSR2 Antibody (C-term) (Cat. #AP13170b)immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SSR2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SSR2 Antibody (C-term) (Cat. #AP13170b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.