

Product Name: 7B2 Rabbit Polyclonal Antibody
Catalog #: APRab06349



Summary

Production Name	7B2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SCG5 SGNE1
Alternative Names	
Gene ID	6447.0
SwissProt ID	P05408. Synthesized peptide derived from human protein . at AA range: 90-170

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:5000-20000
Molecular Weight	23kDa

Background

This gene encodes a secreted chaperone protein that prevents the aggregation of other secreted proteins, including proteins that are associated with neurodegenerative and metabolic disease. The encoded protein may be best known for its

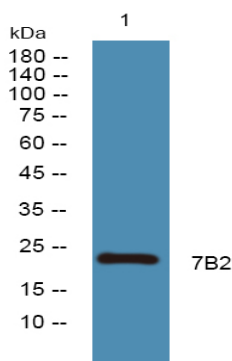
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role in the trafficking and activation of prohormone convertase PC2 (encoded by Gene ID: 5126). Phosphorylation of the encoded protein has been shown to have an inhibitory effect on its chaperone function. [provided by RefSeq, Jul 2016],function:Acts as a molecular chaperone for PCSK2/PC2, preventing its premature activation in the regulated secretory pathway. Binds to inactive PCSK2 in the endoplasmic reticulum and facilitates its transport from there to later compartments of the secretory pathway where it is proteolytically matured and activated. Also required for cleavage of PCSK2 but does not appear to be involved in its folding. Plays a role in regulating pituitary hormone secretion. The C-terminal peptide inhibits PCSK2 in vitro.,PTM:Proteolytically cleaved in the Golgi by a furin-like convertase to generate bioactive peptides.,PTM:Sulfated on tyrosine residues.,similarity:Belongs to the 7B2 family.,subcellular location:Neuroendocrine and endocrine secretory granules.,subunit:Interacts with PCSK2/PC2 early in the secretory pathway. Dissociation occurs at later stages.,

Research Area

Image Data



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night

Note

For research use only.