

Product datasheet for TA358551

OriGene Technologies, Inc.

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Secretogranin V (SCG5) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Specificity: Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish

Homology: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse:

100%; Rabbit: 93%; Rat: 100%; Zebrafish: 79%

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 23kDa

Gene Name: secretogranin V **Database Link:** NP 001138229

Entrez Gene 6447 Human

P05408

Background: SCG5 acts as a molecular chaperone for PCSK2/PC2, preventing its premature activation in

the regulated secretory pathway. SCG5 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. SCG5 is also required for cleavage of PCSK2 but does not appear to be involved in its folding. SCG5 plays a role in regulating pituitary

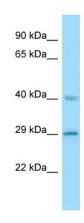
hormone secretion. The C-terminal peptide inhibits PCSK2 in vitro.



Synonyms: 7B2; P7B2; Secretogranin-5; SGNE1; SgV

Protein Families: Secreted Protein

Product images:



WB Suggested Anti-SCG5 Antibody

Titration: 1.0 ug/ml

Positive Control: Jurkat Whole Cell