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Anti-Secretogranin 5 Antibody

Catalog # AP51808

Product Information

Application	WB
Primary Accession	P05408
Reactivity	Human, Pig, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23730

Additional Information

Gene ID	6447
Other Names	SGNE1; Neuroendocrine protein 7B2; Pituitary polypeptide; Secretogranin V; Secretogranin-5; Secretory granule endocrine protein I
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Secretogranin 5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

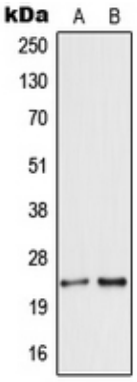
Protein Information

Name	SCG5
Synonyms	SGNE1
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 (PubMed:7913882). Also capable of preventing aggregation of IAPP/islet amyloid polypeptide (PubMed:24042052).
Cellular Location	Secreted {ECO:0000250|UniProtKB:P01165}. Note=Neuroendocrine and endocrine secretory granules {ECO:0000250|UniProtKB:P01165}

References

Martens G.J.M.,et al.FEBS Lett. 234:160-164(1988).
Paquet L.,et al.Biochem. Biophys. Res. Commun. 174:156-162(1991).
Jackson R.S.,et al.Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of Secretogranin 5 expression in HEK293T (A), MCF7 (B) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 24 kD)

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