

PCSK4 Rabbit pAb

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Catalog # AP56024

Product Information

Application	WB
Primary Accession	Q6UW60
Reactivity	Human, Mouse
Predicted	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82795
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCSK4
Epitope Specificity	221-320/755
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass membrane protein (Potential).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PCSK4 is a member of the subtilisin-like proprotein convertase family. These enzymes process latent precursor proteins into their biologically active products. The encoded protein plays a critical role in reproduction and processes multiple prohormones including pro-pituitary adenylate cyclase-activating protein (proPACAP) and pro-insulin-like growth factor II.

Additional Information

Gene ID	54760
Other Names	Proprotein convertase subtilisin/kexin type 4, 3.4.21.-, Proprotein convertase 4, PC4, PCSK4 {ECO:0000312 EMBL:AAH36354.1}
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

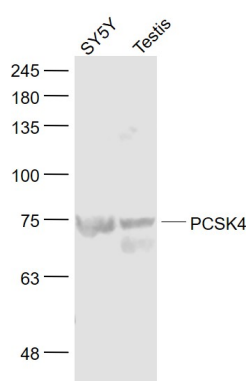
Name	PCSK4 {ECO:0000312 EMBL:AAH36354.1}
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Function	Proprotein convertase involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues (By similarity). In males, important for ADAM2 processing as well as other acrosomal proteins with roles in fertilization and critical for normal fertilization events such as sperm capacitation, acrosome reaction and binding of sperm to zona pellucida (By similarity). Also plays a role in female fertility, involved in the regulation of trophoblast migration and placental development, may be through the proteolytical processing and activation of proteins such as IGF2 (PubMed: 16040806). May also participate in folliculogenesis in the ovaries (By similarity).
Cellular Location	Membrane; Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, acrosome membrane {ECO:0000250 UniProtKB:P29121}
Tissue Location	Placenta..

Background

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Images



Sample:
 SY5Y(Human) Cell Lysate at 30 ug
 Testis (Mouse) Lysate at 40 ug
 Primary: Anti- PCSK4 (AP56024) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 70 kD
 Observed band size: 70 kD

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