

Product datasheet for **TA344248**

Proprotein convertase PC4 (PCSK4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PCSK4 antibody: synthetic peptide directed towards the N terminal of human PCSK4. Synthetic peptide located within the following region: VSSWAVQVSQGNREVERLARKFGFVNLGPIFPDGQYFHLRHRGVVQQLT
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	83 kDa
Gene Name:	proprotein convertase subtilisin/kexin type 4
Database Link:	NP_060043 Entrez Gene 54760 Human Q6UW60



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Background:

PCSK4 is involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. PCSK4 plays a role in transcriptional coactivation. PCSK4 may be involved in stabilizing the multiprotein transcription complex. Proprotein convertases, including PCSK4, are calcium-dependent serine proteases related to bacterial subtilisins and to yeast kexin. These enzymes process precursor proteins to their active forms by selective cleavage of the polypeptide at sites following paired basic amino acids. In mammals, this family comprises PC1 (MIM 162150), PC2 (MIM 162151), PC4, PC5 (MIM 600488), furin (FUR; MIM 136950), and PACE4 (MIM 167405). Substrates for these enzymes range from prohormones to precursors for growth factors to cell surface receptors and viral surface glycoproteins (Cao et al., 2001 [PubMed 11776387]). [supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-31 AC027307.5 80201-80231 c 32-257 AY358963.1 32-257 258-655 AK057235.1 452-849 656-2528 AY358963.1 656-2528 2529-2606 AL043305.1 210-287 2607-2674 AA453604.1 1-68 c

Synonyms:

PC4; SPC5

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Bovine: 100%; Rat: 93%; Guinea pig: 93%; Mouse: 86%

Protein Families:

Druggable Genome, Protease

Product images:



WB Suggested Anti-PCSK4 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: OVCAR-3 cell lysate