

Datasheet for ABIN3032335
anti-PCSK4 antibody (N-Term)

2 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PCSK4
Binding Specificity:	N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCSK4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the N-terminus of mouse Proprotein convertase 4 (DPWFSKQWYMNKEIQD) was used as the immunogen for this Proprotein Convertase 4 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	PCSK4
Alternative Name:	Proprotein Convertase 4 (PCSK4 Products)
Background:	Proprotein Convertase, Subtilisin/Kexin-Type, 4, is an enzyme that in humans is encoded by the PCSK4 gene. The gene was mapped to mouse chromosome 10, close to the adipsin locus and

Target Details

near the gene encoding anti-mullerian hormone. Qiu et al.(2005) found that aberrant processing of pro-IGF2 may be a cause of IUGR. PCSK4 cleaved pro-IGF2 to generate the intermediate processed form, IGF2(1-102). Mature IGF2(1-67), likely resulting from further processing by carboxypeptidases, is capable of activating invasive trophoblast cells through AKT phosphorylation. Inhibition of the protein by a PCSK4-specific inhibitor blocked pro-IGF2 processing and reduced trophoblast cell migration.

UniProt: [P29121](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Proprotein Convertase 4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the Proprotein Convertase 4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of Proprotein Convertase 4 antibody and rat brain tissue. Observed size 54~84KD depending on glycosylation level



Western Blotting

Image 2. Western blot testing of Proprotein Convertase 4 antibody and rat brain tissue. Observed size 54~84KD depending on glycosylation level