Data Sheet (Cat.No.TMAB-01345)

Anti-PCSK9 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 57 kDa. Actual: 65 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (NARC1 PCSK9) Polyclonal Antibody, Unconjugated (TMAB-01345) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 2. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (NARC1 PCSK9) Polyclonal Antibody, Unconjugated (TMAB-01345) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 3. Sample: Lane 1: HepG2 (Human) Cell Lysate at 30 µg Lane 2: SW480 (Human) Cell Lysate at 30 µg Primary: Anti-NARC1/PCSK9 (TMAB-01345) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 72 kDa Observed band size: 70 kDa 4. A431 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (NARC1/PCSK9) polyclonal Antibody, Unconjugated (TMAB-01345) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus. 5. Sample: Lane 1: A431 (Human) Cell Lysate at 30 µg Lane 2: Uterus (Mouse) Lysate at 40 µg Primary: Anti-NARC1/PCSK9 (TMAB-01345) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 72 kDa Observed band size: 70 kD 6. Blank control: K562. Primary Antibody (green line): Rabbit Anti-NARC1/PCSK9 antibody (TMAB-01345) Dilution: 2 µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-FITC Dilution: 0.5 µg/test. Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

7. Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (NARC1/PCSK9) Polyclonal Antibody, Unconjugated (TMAB-01345) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.

8. Sample:

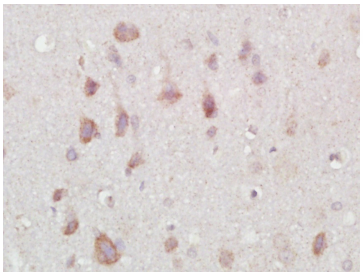
Lane 1: Recombinant human PCSK9 protein, C-His (HEK293)

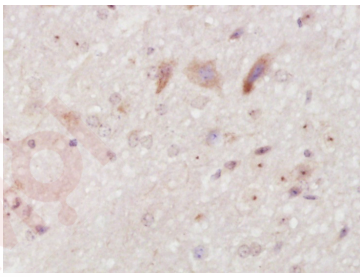
Primary: Anti-NARC1/PCSK9 (TMAB-01345) at 1/1000 dilution

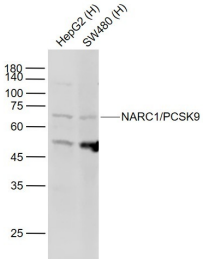
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

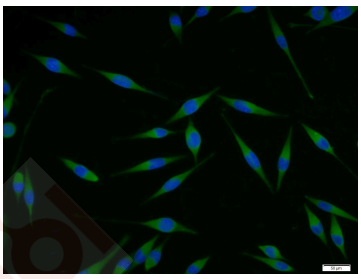
Predicted band size: 57 kDa

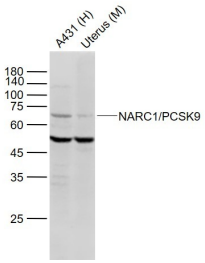
Observed band size: 63 kDa

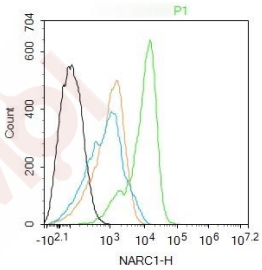


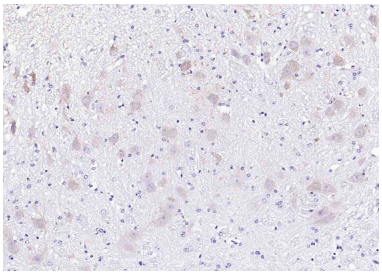


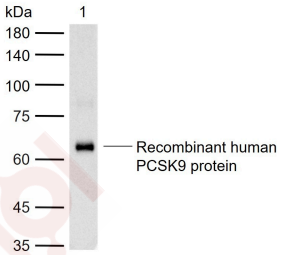












Application:	FCM,ICC/IF,IF,IHC-Fr,IHC-P,WB
Recommended	FCM=2 μg/Test; ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human PCSK9/NARC1
Antigen Species:	Human
Gene ID:	255738
Uniprot ID:	Q8NBP7
Synonyms:	proprotein convertase subtilisin/kexin type 9;LDLCQ1;NARC-1;NARC1;FH3;HCHOLA3;PC9
Biology Area:	Cholesterol Metabolism,Proprotein Convertases,Amino acid metabolism,Cholesterol Metabolism,Amino Acids,Lipid metabolism,Intracellular

Research Background

May be implicated in the differentiation of cortical neurons and may play a role in cholesterol homeostasis.

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