



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti-FZD9

With HRP-conjugated Secondary Antibody

Catalog No.
126-10052

Accession No.
NP_002561.1

Target Protein

Principal Names: subtilisin/kexin-like protease PACE4, subtilisin-like protease, subtilisin-like proprotein convertase 4, paired basic amino acid cleaving system 4, SPC4, PACE4, proprotein convertase subtilisin/kexin type 6, PCSK6

Official Symbol: PCSK6

Accession Number(s): NP_002561.1; NP_612192.1; NP_612195.1; NP_612197.1; NP_612196.1; NP_612198.2; NP_612193.1; NP_612194.1

Human GeneID(s): 5046

Important Comments: This antibody is expected to recognize reported isoforms a, b, g and h (NP_002561.1; NP_612192.1; NP_612193.1; NP_612194.1 resp.).

Immunogen

Peptide with sequence C-YHTFSAHQSRSR, from the internal region of the protein sequence according to NP_002561.1; NP_612192.1; NP_612195.1; NP_612197.1; NP_612196.1; NP_612198.2; NP_612193.1; NP_612194.1.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Preliminary experiments gave an approx 40-45 kDa band in Human Brain (Cerebellum) lysates after 0.2 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 106 kDa according to NP_002561.1. The 40-45 kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

IHC: In paraffin embedded Human Skeletal Muscle shows striated staining in alternating fibres. Recommended concentration, 5-10µg/ml.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Background Reference

Jin W, Wang X, Millar JS, Quertermous T, Rothblat GH, Glick JM, Rader DJ.

Hepatic proprotein convertases modulate HDL metabolism.

Cell Metab. 2007 Aug;6(2):129-36.

PMID: 17681148

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

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