

LDLRAD2 (T-18): sc-247427

BACKGROUND

Members of the low-density lipoprotein receptor (LDLR) gene family mediate the endocytosis of extracellular ligands. LDLRAD2 (low density lipoprotein receptor class A domain containing 2) is a 272 amino acid single-pass type I membrane protein that belongs to the LDLR family and contains one LDL-receptor class A domain. The gene encoding LDLRAD2 maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LDLRAD2 (human) mapping to 1p36.12.

SOURCE

LDLRAD2 (T-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an extracellular domain of LDLRAD2 of human origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-247427 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LDLRAD2 (T-18) is recommended for detection of LDLRAD2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with LDLRAD1 or LDLRAD3.

LDLRAD2 (T-18) is also recommended for detection of LDLRAD2 in additional species, including bovine.

Suitable for use as control antibody for LDLRAD2 siRNA (h): sc-88480, LDLRAD2 shRNA Plasmid (h): sc-88480-SH and LDLRAD2 shRNA (h) Lentiviral Particles: sc-88480-V.

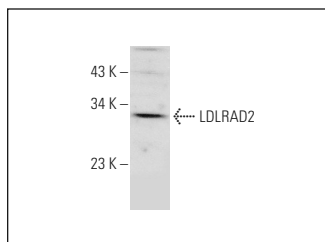
Molecular Weight of LDLRAD2: 29 kDa.

Positive Controls: Human liver extract: sc-363766.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



LDLRAD2 (T-18): sc-247427. Western blot analysis of LDLRAD2 expression in human liver tissue extract.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.