

Nectin 3 (K-20): sc-14805

BACKGROUND

Nectin is a Ca^{2+} -independent homophilic cell adhesion molecule that belongs to the immunoglobulin superfamily. Human Nectin is identical to the poliovirus receptor-related protein (PRR) and is identified to be the α herpesvirus entry mediator. Nectin constitutes a family consisting of at least Nectin 1, 2 and 3. Nectin 2 and 3 are ubiquitously expressed, whereas Nectin 1 is abundantly expressed in brain. Nectin 3, also designated as PRR3, has three splicing variants: Nectin 3 α , 3 β and 3 γ . Nectin 3 is a transmembrane protein whose extracellular region contains three Ig-like domains. Nectin 3 α and 3 β , but not Nectin 3 γ , have a C-terminal conserved motif (E/A-X-Y-V). This motif interacts with the PDZ domain of the F-Actin-binding protein, afadin, through which it is linked to the Actin cytoskeleton. Nectin 3 α co-localizes with Nectin 2 at cadherin-based adherens junctions and interacts with afadin.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PVRL3 (human) mapping to 3q13.13; Pvr13 (mouse) mapping to 16 B5.

SOURCE

Nectin 3 (K-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Nectin 3 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-14805 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Nectin 3 (K-20) is recommended for detection of Nectin 3 of mouse, rat and 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).

Nectin 3 (K-20) is also recommended for detection of Nectin 3 in additional species, including bovine.

Suitable for use as control antibody for Nectin 3 siRNA (h): sc-36024, Nectin 3 siRNA (m): sc-36025, Nectin 3 shRNA Plasmid (h): sc-36024-SH, Nectin 3 shRNA Plasmid (m): sc-36025-SH, Nectin 3 shRNA (h) Lentiviral Particles: sc-36024-V and Nectin 3 shRNA (m) Lentiviral Particles: sc-36025-V.

Nectin 3 (K-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Nectin 3: 83 kDa.

Positive Controls: Mouse testis extract: sc-2405, Jurkat whole cell lysate: sc-2204 or HL-60 whole cell lysate: sc-2209.

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.

STORAGE

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

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.


 MONOS
Satisfation
Guaranteed

Try **Nectin 3 (H-11): sc-271611** or **Nectin 3 (N3.81.6): sc-69716**, our highly recommended monoclonal alternatives to Nectin 3 (K-20).