

DPRP1 (H-70): sc-68349

BACKGROUND

Dipeptidyl peptidases (DPPs) mediate regulatory activity of their substrates and have been linked to a variety of diseases including type 2 diabetes, obesity and cancer. DPPs have post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. DPPs can bind specific voltage-gated potassium channels and alter their expression and biophysical properties and may also influence T cells. DPP proteins include DPRP1, DPRP2, DPP3, DPP7, DPP10, DPPX and CD26. DPRP1 (dipeptidyl-peptidase IV-related protein 1), also known as DPP8 (dipeptidyl-peptidase 8), DP8 or MSTP141, is a member of the peptidase S9B family of proteins that exhibit polyoligopeptidase activity. DPRP1 localizes to the cytoplasm and is ubiquitously expressed with predominant expression in placenta, brain, prostate, testis and muscle. DPRP1 is similar to CD26 (dipeptidyl peptidase IV) suggesting that it may be involved in immune function and participate in the activation of T cells.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DPP8 (human) mapping to 15q22.31; Dpp8 (mouse) mapping to 9 C.

SOURCE

DPRP1 (H-70) is a rabbit polyclonal antibody raised against amino acids 11-80 mapping near the N-terminus of DPRP1 of human origin.

PRODUCT

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

APPLICATIONS

DPRP1 (H-70) is recommended for detection of DPRP1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

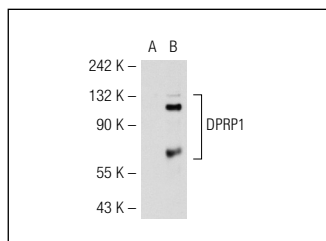
DPRP1 (H-70) is also recommended for detection of DPRP1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for DPRP1 siRNA (h): sc-62234, DPRP1 siRNA (m): sc-62235, DPRP1 shRNA Plasmid (h): sc-62234-SH, DPRP1 shRNA Plasmid (m): sc-62235-SH, DPRP1 shRNA (h) Lentiviral Particles: sc-62234-V and DPRP1 shRNA (m) Lentiviral Particles: sc-62235-V.

Molecular Weight of DPRP1: 100 kDa.

Positive Controls: DPRP1 (h2): 293T Lysate: sc-171936.

DATA



DPRP1 (H-70): sc-68349. Western blot analysis of DPRP1 expression in non-transfected: sc-117752 (A) and human DPRP1 transfected: sc-171936 (B) 293T whole cell lysates.

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
Satisfaction
Guaranteed

Try **DPRP1 (A-5): sc-376399**, our highly recommended monoclonal alternative to DPRP1 (H-70).