UBL3 (C-2): sc-514190



The Power to Question

BACKGROUND

Ubiquitin is a 77 amino acid protein that targets proteins for degradation by the 26S Proteasome. Ubiquitin-like proteins are not directly involved in protein degradation, but appear to have many mechanistic similarities with the ubiquitin pathway. UBL3 (ubiquitin-like protein 3), also known as membrane-anchored ubiquitin-fold protein (MUB) or PNSC1, is a 117 amino acid membrane protein belonging to the ubiquitin-like family. Highly conserved between species, UBL3 contains two potential N-glycosylation sites, a potential protein kinase C phosphorylation site and a potential C-terminal prenylation site. The gene encoding UBL3 is localized to chromosome 13q12.3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: UBL3 (human) mapping to 13q12.3; Ubl3 (mouse) mapping to $5\ G3$.

SOURCE

UBL3 (C-2) is a mouse monoclonal antibody raised against amino acids 57-117 mapping at the C-terminus of UBL3 of human origin.

PRODUCT

Each vial contains 200 μg lgG_{2b} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

UBL3 (C-2) is available conjugated to agarose (sc-514190 AC), 500 μ g/0.25 ml agarose in 1 ml, for IP; to HRP (sc-514190 HRP), 200 μ g/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-514190 PE), fluorescein (sc-514190 FITC), Alexa Fluor® 488 (sc-514190 AF488), Alexa Fluor® 546 (sc-514190 AF546), Alexa Fluor® 594 (sc-514190 AF594) or Alexa Fluor® 647 (sc-514190 AF647), 200 μ g/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-514190 AF680) or Alexa Fluor® 790 (sc-514190 AF790), 200 μ g/ml, for Near-Infrared (NIR) WB, IF and FCM.

APPLICATIONS

UBL3 (C-2) is recommended for detection of UBL3 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

Suitable for use as control antibody for UBL3 siRNA (h): sc-76794, UBL3 siRNA (m): sc-154863, UBL3 shRNA Plasmid (h): sc-76794-SH, UBL3 shRNA Plasmid (m): sc-154863-SH, UBL3 shRNA (h) Lentiviral Particles: sc-76794-V and UBL3 shRNA (m) Lentiviral Particles: sc-154863-V.

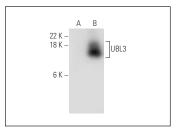
Molecular Weight of UBL3: 13 kDa.

Positive Controls: UBL3 (m): 293T Lysate: sc-124425.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-lgG κ BP-FITC: sc-516140 or m-lgG κ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

DATA



UBL3 (C-2): sc-514190. Western blot analysis of UBL3 expression in non-transfected: sc-117752 (**A**) and monous UBL3 transfected: sc-124425 (**B**) 293T whole roll 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 for detailed protocols and support products.

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