**BACKGROUND**

Abin-1, also known as TNIP1 (TNFαI P3 interacting protein 1), VAN or NAF1 (Nef-associated factor 1), is a 636 amino acid protein that localizes to both the nucleus and the cytoplasm and is shuttled between the 2 intercellular regions in a CRM1-dependent manner. Expressed ubiquitously with highest expression in spleen and skeletal muscle, Abin-1 interacts with A20 and, via this interaction, interferes with TRAF2-mediated transactivation signals and effectively inhibits TNF-induced NFκB expression. Additionally, Abin-1 can be incorporated into HIV-1 virions and, if overexpressed, can inhibit viral replication. Abin-1 may also play an important role in the regulation of nuclear import and export activities. Multiple isoforms of Abin-1 exist due to alternative splicing events.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: TNIP1 (human) mapping to 5q33.1; Tnip1 (mouse) mapping to 1-300 mapping at the N-terminus of Abin-1 of human origin.

**SOURCE**

Abin-1 (G-12) is a mouse monoclonal antibody raised against amino acids 1-300 mapping at the N-terminus of Abin-1 of human origin.

**PR26ODUCT**

Each vial contains 200 µg IgG1, kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-376999 X, 200 µg/0.1 ml.

Abin-1 (G-12) is available conjugated to agarose (sc-376999 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-376999 HRP), 200 µg/ml, for WB, IHC(II) and ELISA; to either phycocerythrin (sc-376999 PE), fluorescein (sc-376999 FITC), Alexa Fluor® 488 (sc-376999 AF488), Alexa Fluor® 546 (sc-376999 AF546), Alexa Fluor® 594 (sc-376999 AF594) or Alexa Fluor® 647 (sc-376999 AF647), 200 µg/ml, for WB (RGB), IF, IHC(II) and FCM; and to either Alexa Fluor® 680 (sc-376999 AF680) or Alexa Fluor® 790 (sc-376999 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**APPLICATIONS**

Abin-1 (G-12) is recommended for detection of Abin-1 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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).

Suitable for use as control antibody for Abin-1 siRNA (h): sc-92019, Abin-1 siRNA (m): sc-140779, Abin-1 shRNA Plasmid (h): sc-92019-SH, Abin-1 shRNA Plasmid (m): sc-140779-SH, Abin-1 shRNA (h) Lentiviral Particles: sc-92019-V and Abin-1 shRNA (m) Lentiviral Particles: sc-140779-V.

Abin-1 (G-12) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG BP-HRP: sc-516102 or m-IgG BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ 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-IgG BP-FITC: sc-516140 or m-IgG BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-358850.

**DATA**

- **Abin-1** (G-12): sc-376999. Western blot analysis of Abin-1 expression in Jurkat (A), A2058 (B), HeLa (C), Raji (D) and HEL 921.7 (E) 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.