Abin-2 (H-8): sc-271850

**BACKGROUND**

The nuclear factor NFKB is essential for the regulation of immune response genes, inflammatory processes and apoptosis. Abin-2 (also designated A20-binding inhibitor of NFKB activation) is an intracellular zinc-finger protein that inhibits the expression of NFKB by recruiting a chromatin-remodeling complex to the target gene. Abin-2, a p105-associated protein, is a potent inhibitor of TNF-induced cell death. Abin-2 can also associate with TPL-2, and in endogenous tissues it is frequently associated with both TPL-2 and p105.

**CHROMOSOMAL LOCATION**

Genetic locus: TNIP2 (human) mapping to 4p16.3.

**SOURCE**

Abin-2 (H-8) is a mouse monoclonal antibody raised against amino acids 1-300 mapping at the N-terminus of Abin-2 of human origin.

**PRODUCT**

Each vial contains 200 µg IgGκ 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-271850 X, 200 µg/0.1 ml.

Abin-2 (H-8) is available conjugated to agarose (sc-271850 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-271850 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-271850 PE), fluorescein (sc-271850 FITC), Alexa Fluor® 488 (sc-271850 AF488), Alexa Fluor® 546 (sc-271850 AF546), Alexa Fluor® 594 (sc-271850 AF594) or Alexa Fluor® 647 (sc-271850 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-271850 AF680) or Alexa Fluor® 790 (sc-271850 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**APPLICATIONS**

Abin-2 (H-8) is recommended for detection of Abin-2 of 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-2 siRNA (h): sc-44638, Abin-2 shRNA Plasmid (h): sc-44638-SH and Abin-2 shRNA (h) Lentiviral Particles: sc-44638-V.

Abin-2 (H-8) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

**Molecular Weight of Abin-2 isoforms:** 49/37 kDa.

**Positive Controls:** NCI-H226 whole cell lysate: sc-364256, HL-60 whole cell lysate: sc-2209 or HCT-116 whole cell lysate: sc-364175.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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-2906 (0.5 ml agarose/2.0 ml).


**DATA**

Abin-2 (H-8): sc-271850. Western blot analysis of Abin-2 expression in HCT-116 (A), HL-60 (B), NCI-H226 (C) and HL-60 (D) whole cell lysates.

**SELECT PRODUCT CITATIONS**


**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.