**BACKGROUND**

DDEF2 (C-9) is recommended for detection of DDEF2 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100 to 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 to 1:500), immunohistochemistry (including paraffin-embedded sections) [start-ing dilution 1:50, dilution range 1:50 to 1:500] and solid phase ELISA (starting dilution 1:30, dilution range 1:30 to 1:3000).

DDEF2 (C-9) is also recommended for detection of DDEF2 in additional species, including canine and porcine.

Suitable for use as control antibody for DDEF2 siRNA (h): sc-41694, DDEF2 siRNA (m): sc-41695, DDEF2 shRNA Plasmid (h): sc-41694-SH, DDEF2 shRNA Plasmid (m): sc-41695-SH, DDEF2 shRNA (h) Lentiviral Particles: sc-41694-V and DDEF2 shRNA (m) Lentiviral Particles: sc-41695-V.

Molecular Weight of DDEF2: 130 kDa.

Positive Controls: Raji whole cell lysate: sc-364236, Ramos cell lysate: sc-2216 or WEHI-231 whole cell lysate: sc-2213.

**RECOMMENDED SUPPORT REAGENTS**

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

1. Western Blotting: use m-IgG κ HRP: sc-516102 or m-IgG κ HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000 to 1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminal Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

**DATA**

DDEF2 (C-9): sc-374323 Western blot analysis of DDEF2 expression in Raji (A), Ramos (B), NAMALWA (C), WEHI-231 (D), EOC 20 (E) and L6 (F) whole cell lysates.

DDEF2 (C-9): sc-374323 Immunofluorescence staining of methanol-fixed Hela cells showing cytoplasmic and membrane localization (A). Immunoperoxidase staining of formalin-fixed, paraffin-embedded human kidney tissue showing cytoplasmic and nuclear staining of cells in glomeruli and cytoplasmic staining of cells in tubules (B).

**STORAGE**

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

**REFERENCES**


**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.

DDEF2 (C-9) is available conjugated to agarose (sc-374323 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-374323 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycocyanin (sc-374323 PE), fluorescein (sc-374323 FITC), Alexa Fluor® 488 (sc-374323 AF488), Alexa Fluor® 546 (sc-374323 AF546), Alexa Fluor® 594 (sc-374323 AF594) or Alexa Fluor® 647 (sc-374323 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-374323 AF680) or Alexa Fluor® 790 (sc-374323 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**SOURCE**

DDEF2 (C-9) is a mouse monoclonal antibody raised against amino acids 1-300 mapping at the N-terminus of DDEF2 of human origin.

**CHROMOSOMAL LOCATION**

Genetic locus: ASAP2 (human) mapping to 2p25.1; Asap2 (mouse) mapping to 12A1.2.

**RESEARCH USE**

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