**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: MUT (human) mapping to 6p12.3; Mut (mouse) mapping to 17 B2.

**SOURCE**

MUT (D-1) is a mouse monoclonal antibody raised against amino acids 451-750 mapping at the C-terminus of MUT of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

MUT (D-1) is recommended for detection of MUT 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 in 1 ml of cell lysate), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (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 MUT siRNA (h): sc-95089, MUT siRNA (m): sc-149723, MUT shRNA Plasmid (h): sc-95089-SH, MUT shRNA Plasmid (m): sc-149723-SH, MUT shRNA (h) Lentiviral Particles: sc-95089-V and MUT shRNA (m) Lentiviral Particles: sc-149723-V.

Molecular Weight of mature MUT: 78 kDa.

Molecular Weight of MUT precursor: 82 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227 or K-562 whole cell lysate: sc-2203.

**RECOMMENDED SUPPORT REAGENTS**

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

1) Western Blotting: use m-IgG1 BP-HRP: sc-516102 or m-IgG1 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).


**DATA**

MUT (D-1): sc-390978. Western blot analysis of MUT expression in Hep G2 (A), NIH/3T3 (B) and K-562 (C) whole cell lysates. Note lack of reactivity with mouse MUT in lane B.

MUT (D-1): sc-390978. Immunoperoxidase staining of formalin fixed, paraffin-embedded human liver tissue showing cytoplasmic staining of hepatocytes.

**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.