GP73 (F-2): sc-365817

**BACKGROUND**

GP73 (also known as Golgi phosphoprotein 2, GOLPH 2 or Golgi membrane protein), is a widely expressed, epithelial-specific, type II transmembrane protein which resides in the Golgi apparatus, where it is responsible for the posttranslational modification of proteins produced in the rough ER while assisting in the transport of proteins through the Golgi. The human GP73 gene has been mapped within a BAC and localized to chromosome 9q21.33. GP73 levels rise in those who have been diagnosed with acute and chronic liver diseases.

**CHROMOSOMAL LOCATION**

Genetic locus: GOLM1 (human) mapping to 9q21.33; Golm1 (mouse) mapping to 13B2.

**SOURCE**

GP73 (F-2) is a mouse monoclonal antibody raised against amino acids 1-114 mapping at the N-terminus of GP73 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.

GP73 (F-2) is available conjugated to agarose (sc-365817 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-365817 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-365817 PE), fluorescein (sc-365817 FITC), Alexa Fluor® 488 (sc-365817 AF488), Alexa Fluor® 546 (sc-365817 AF546), Alexa Fluor® 594 (sc-365817 AF594) or Alexa Fluor® 647 (sc-365817 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-365817 AF680) or Alexa Fluor® 790 (sc-365817 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**RESEARCH USE**

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

**APPLICATIONS**

GP73 (F-2) is recommended for detection of GP73 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), 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 GP73 siRNA (h): sc-60711, GP73 siRNA (m): sc-60712, GP73 shRNA Plasmid (h): sc-60711-SH, GP73 shRNA Plasmid (m): sc-60712-SH, GP73 shRNA (h) Lentiviral Particles: sc-60711-V and GP73 shRNA (m) Lentiviral Particles: sc-60712-V.

Molecular Weight of GP73: 73 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, SW480 cell lysate: sc-2219 or SH-SY5Y cell lysate: sc-3812.

**RECOMMENDED SUPPORT REAGENTS**

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


**DATA**

**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.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.