**Myosin XVIIa (H-10): sc-365328**

**APPLICATIONS**

Myosin XVIIa (H-10) is recommended for detection of Myosin XVIIa isoforms 1-5 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 Myosin XVIIa siRNA (h): sc-106272, Myosin XVIIa siRNA (m): sc-61129, Myosin XVIIa siRNA (r): sc-270493, Myosin XVIIa shRNA Plasmid (h): sc-106272-SH, Myosin XVIIa shRNA Plasmid (m): sc-61129-SH, Myosin XVIIa shRNA Plasmid (r): sc-270493-SH, Myosin XVIIa shRNA (h) Lentiviral Particles: sc-106272-V, Myosin XVIIa shRNA (m) Lentiviral Particles: sc-61129-V and Myosin XVIIa shRNA (r) Lentiviral Particles: sc-270493-V.

Molecular Weight of MysPDZα/MysPDZβ: 230/190 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, MOLT-4 cell lysate: sc-2233 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-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 Alexa Fluor® 488 (sc-365328 AF488), Alexa Fluor® 546 (sc-365328 AF546), Alexa Fluor® 594 (sc-365328 AF594) or Alexa Fluor® 647 (sc-365328 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-365328 AF680) or Alexa Fluor® 790 (sc-365328 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**SOURCE**

Myosin XVIIa (H-10) is a mouse monoclonal antibody raised against amino acids 1656-1780 mapping within an internal region of Myosin XVIIa of human origin.

**PRODUCT**

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

Myosin XVIIa (H-10) is available conjugated to agarose (sc-365328 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-365328 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-365328 PE), fluorescein (sc-365328 FITC), Alexa Fluor® 488 (sc-365328 AF488), Alexa Fluor® 546 (sc-365328 AF546), Alexa Fluor® 594 (sc-365328 AF594) or Alexa Fluor® 647 (sc-365328 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-365328 AF680) or Alexa Fluor® 790 (sc-365328 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA.

**STORAGE**

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