MAWDBP (MAWD binding protein), also known as PBLD (phenazine biosynthesis-like protein domain containing) or MAWB, is a 288 amino acid protein that belongs to the phenazine biosynthesis-like protein (PhzF) family. It has been suggested that MAWDBP is the only representative of the PhzF family in the human genome. Expressed in most tissues, MAWDBP is a WD-40 repeat-containing β-propeller protein believed to participate in the MAPK signaling pathway. Involved in multiple basic cellular functions, expression of MAWDBP is elevated in several disease processes, including Insulin resistance, folate deficiency and hypotension. It is thought that MAWDBP may also be involved in carcinogenesis.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: PBLD (human) mapping to 10q21.3; Pbd (mouse) mapping to 10 B4.

SOURCE
MAWDBP (1) is a mouse monoclonal antibody raised against recombinant MAWDBP 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.

MAWDBP (1) is available conjugated to agarose (sc-101502 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-101502 HRP), 200 µg/ml, for WB, IHC and ELISA; to either phycoerythrin (sc-101502 PE), fluorescein (sc-101502 FITC), Alexa Fluor® 488 (sc-101502 AF488), Alexa Fluor® 546 (sc-101502 AF546), Alexa Fluor® 594 (sc-101502 AF594) or Alexa Fluor® 647 (sc-101502 AF647), 200 µg/ml, for WB (RGB), IF, IHC and FCM; and to either Alexa Fluor® 680 (sc-101502 AF680) or Alexa Fluor® 790 (sc-101502 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

MAWDBP (1): sc-101502. Western blot analysis of MAWDBP expression in c4 whole cell lysate.

APPLICATIONS
MAWDBP (1) is recommended for detection of MAWDBP of human and, to a lesser extent, mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)).


Molecular Weight of MAWDBP: 32 kDa.

Positive Controls: MAWDBP (h): 293 Lysate: sc-111233.

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG x-HRP: sc-516102 or m-IgG x-HRP (Cruz Marker): sc-516214 and Western Blotting Luminol Reagent: sc-2048.2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-101502 (0.5 ml agarose/2.0 ml).

DATA

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 website at www.scbt.com for detailed protocols and support products.