SANTA CRUZ BIOTECHNOLOGY, INC.

EMBP (S-16): sc-33938



RECOMMENDED SECONDARY REAGENTS

The eosinophil major basic protein (EMBP), also designated MBP, PRG2, pro- To ensure optimal results, the following support (secondary) reagents are teoglycan 2, BMPG, or bone marrow natural killer cell activator, is a con- recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 stituent of the crystalline core of the eosinophil granule. High levels of the (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey pro-EMBP are present in placenta and pregnancy serum, where it exists as a anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ complex with several other proteins including pregnancy-associated plasma Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: protein A (PAPPA), angiotensinogen (AGT) and C3dg. EMBP may influence sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipantiparasitic defense mechanisms as a cytotoxin and helminthotoxin, and itation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). may play a role in immune hypersensitivity reactions. EMBP stimulates an Src3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution kinase-dependent activation of class I (A) phosphoinositide 3-kinase and, in range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: turn, activation of protein kinase C ζ in neutrophils. EMBP transcription is 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 4) Immunounder regulation by novel combinatorial interactions of GATA-1, PU.1, and histochemistry: use ImmunoCruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems. C/EBPE isoforms.

DATA

CHROMOSOMAL LOCATION

Genetic locus: PRG2 (human) mapping to 11q12.1; Prg2 (mouse) mapping to 2 D.

SOURCE

BACKGROUND

EMBP (S-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of EMBP of mouse origin.

PRODUCT

Each vial contains 200 μ g lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-33938 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

132 K = = 55 K · . €MBP 43 K fusion protein 34 K 23 K



FMBP (S-16): sc-33938. Western blot analysis of mouse ecombinant EMBP fusion protein

EMBP (S-16): sc-33938. Immunoperoxidase staining of formalin fixed, paraffin-embedded human placenta tissue showing cytoplasmic staining of trophoblastic cells

SELECT PRODUCT CITATIONS

Apfeldorfer, C., et al. 2008. Object orientated automated image analysis: quantitative and qualitative estimation of inflammation in mouse lung. Diagn. Pathol. 3: S16.

APPLICATIONS

EMBP (S-16) is recommended for detection of EMBP of mouse, rat and, to a lesser extent, human origin by Western Blotting (starting dilution 1:200, PROTOCOLS 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 paraffinembedded 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 EMBP siRNA (h): sc-44577, EMBP siRNA (m): sc-42905, EMBP shRNA Plasmid (h): sc-44577-SH, EMBP shRNA Plasmid (m): sc-42905-SH, EMBP shRNA (h) Lentiviral Particles: sc-44577-V and EMBP shRNA (m) Lentiviral Particles: sc-42905-V.

Molecular Weight of EMBP precursor: 25 kDa.

Molecular Weight of mature EMBP: 14 kDa.

Positive Controls: RAW 264.7 whole cell lysate: sc-2211 or mouse spleen extract: sc-2391.

RESEARCH USE

^tor research use only, not for use in diagnostic procedures.

Satisfation

Guaranteed

See our web site at www.scbt.com or our catalog for detailed protocols

Try EMBP (F-6): sc-365701 or EMBP (F-2): MONOS sc-365702, our highly recommended monoclonal

alternatives to EMBP (S-16).