

PPBPL1 (T-12): sc-240782

BACKGROUND

The small inducible genes (SIG) family encodes proteins that are involved in overlapping processes of inflammation, immune response, wound repair and coagulation. The SIG family contains two branches, designated CXC and CC, distinguished by whether or not the first two of four conserved cysteine residues are separated by an additional amino acid residue. The CXC SIGs map to human chromosome 4, including those encoding beta-thromboglobulin and platelet factor 4 (PF4), which are both expressed by megakaryocytes in a tissue-specific fashion and duplicated, there being a PF4 and a PF4alt gene, and a β TG1 and β TG2 gene. PPBPL1 (pro-platelet basic protein-like 1), also known as TGB2 (thromboglobulin, β -2), belongs to the SIG family and is a CXC SIG protein, which contains four cysteine residues separated by a single amino acid residue. PPBPL1 is closely linked to other PPBPs, PF4s and several other CXC SIGs in a 700-kb Sfi1 fragment that localizes to chromosome 4q12-q13.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PPBPL1 (human) mapping to 4q13.3.

SOURCE

PPBPL1 (T-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of PPBPL1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-240782 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

PPBPL1 (T-12) is recommended for detection of PPBPL1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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 PPBPL1 siRNA (h): sc-89165, PPBPL1 shRNA Plasmid (h): sc-89165-SH and PPBPL1 shRNA (h) Lentiviral Particles: sc-89165-V.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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