

PAGE-1 (Z-23): sc-133878

BACKGROUND

PAGE-1 (P antigen family, member 1), also known as CT16.3, GAGE-9 or GAGEB1, is a 146 amino acid protein that may play a role in tumor formation and metastasis and is encoded by a gene which maps to human chromosome X. Chromosome X, one of the two human sex chromosomes, contains nearly 153 million base pairs and encodes over 1,000 genes. In conjunction with chromosome Y, chromosome X is responsible for sex determination, as an X and a Y chromosome lead to normal male development, while two copies of an X chromosome lead to normal female development. There are a number of conditions related to an abnormal number and combination of sex chromosomes, some of which include Turner's syndrome, color blindness, hemophilia and Duchenne muscular dystrophy.

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CHROMOSOMAL LOCATION

Genetic locus: PAGE1 (human) mapping to Xp11.23.

SOURCE

PAGE-1 (Z-23) is a Protein A purified rabbit polyclonal antibody raised against synthetic PAGE-1 peptide of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

PAGE-1 (Z-23) is recommended for detection of PAGE-1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for PAGE-1 siRNA (h): sc-91175, PAGE-1 shRNA Plasmid (h): sc-91175-SH and PAGE-1 shRNA (h) Lentiviral Particles: sc-91175-V.

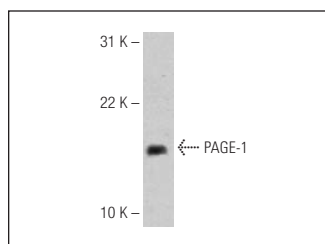
Molecular Weight of PAGE-1: 16 kDa.

Positive Controls: 721 B whole cell lysate.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



PAGE-1 (Z-23): sc-133878. Western blot analysis of PAGE-1 expression in 721 B whole cell lysate.

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.