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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

MGC29506 (h): 293T Lysate: sc-175812

BACKGROUND

MGC29506, also known as MZB1 (marginal zone B and B1 cell-specific protein), PACAP (proapoptotic caspase adapter protein) or plasma cell-induced resident endoplasmic reticulum protein, is a 189 amino acid protein that exists as 5 alternatively spliced isoforms. MGC29506 isoform 1 has been found to localize to the endoplasmic reticulum, while isoform 2 localizes to the cytoplasm surrounding the nucleus. A member of the PERP1 family, MGC29506 promotes IgM assembly and secretion and is widely expressed, with highest levels found in brain, thymus, spleen and small intestine. The gene encoding MGC29506 maps to human chromosome 5q31.2.

REFERENCES

1. Zhang, Q.H., et al. 2000. Cloning and functional analysis of cDNAs with open reading frames for 300 previously undefined genes expressed in CD34⁺ hematopoietic stem/progenitor cells. *Genome Res.* 10: 1546-1560.
2. Bonfoco, E., et al. 2001. Characterization of a novel proapoptotic caspase-2- and caspase-9-binding protein. *J. Biol. Chem.* 276: 29242-29250.
3. Vaudry, D., et al. 2002. Pituitary adenylate cyclase-activating polypeptide protects rat cerebellar granule neurons against ethanol-induced apoptotic cell death. *Proc. Natl. Acad. Sci. USA* 99: 6398-6403.
4. Katoh, M. and Katoh, M. 2003. MGC29506 gene, frequently down-regulated in intestinal-type gastric cancer, encodes secreted-type protein with conserved cysteine residues. *Int. J. Oncol.* 23: 235-241.
5. Shimizu, Y., et al. 2009. pERp1 is significantly up-regulated during plasma cell differentiation and contributes to the oxidative folding of immunoglobulin. *Proc. Natl. Acad. Sci. USA* 106: 17013-17018.
6. van Anken, E., et al. 2009. Efficient IgM assembly and secretion require the plasma cell induced endoplasmic reticulum protein pERp1. *Proc. Natl. Acad. Sci. USA* 106: 17019-17024.
7. Flach, H., et al. 2010. Mzb1 protein regulates calcium homeostasis, antibody secretion, and integrin activation in innate-like B cells. *Immunity* 33: 723-735.

CHROMOSOMAL LOCATION

Genetic locus: MZB1 (human) mapping to 5q31.2.

PRODUCT

MGC29506 (h): 293T Lysate represents a lysate of human MGC29506 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

MGC29506 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive MGC29506 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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 for detailed protocols and support products.