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EB07296 - Goat Anti-Silver homologue / Pmel 17 (C-terminus) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: silver homolog (mouse), PMEL17, SILV, D12S53E, ME20, SI, SIL, gp100, Melanocyte protein mel 17, Pmel 17, Silver, mouse, homolog of, silver (mouse homolog) like, silver (mouse homolog)-like, silver homolog
Official Symbol: PMEL
Accession Number(s): NP_008859.1
Human GeneID(s): 6490
Non-Human GeneID(s): 20431 (mouse), 362818 (rat)

Immunogen

Peptide with sequence CPIGENSPLLSGQQ, from the C Terminus of the protein sequence according to NP_008859.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx 70kDa band observed in Mouse Skin lysates (calculated MW of 66.3kDa according to Mouse NP_068682.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

Immunofluorescence: Strong expression of the protein seen in the plasma membrane and cytoplasm of A431cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human, Mouse
Expected from sequence similarity: Human, Mouse

Specific Reference

This antibody (previous batch) has been successfully used in Western blot on Zebrafish:
Liu C, Yan W, Zhou B, Guo Y, Liu H, Yu H, Giesy JP, Wang J, Li G, Zhang X.
Characterization of a bystander effect induced by the endocrine-disrupting chemical 6-propyl-2-thiouracil in zebrafish embryos.
Aquat Toxicol. 2012 Aug 15;118-119:108-15.
PMID: 22542736

EB07296 (1µg/ml) staining of Mouse Skin lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07296 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).