abcam

Product datasheet

Anti-OSTM1 antibody ab126209

★★★★★ 2 Abreviews 1 Image

Overview

Product name	Anti-OSTM1 antibody
Description	Rabbit polyclonal to OSTM1
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 1-284 of Human OSTM1 (NP_054747).
Positive control	Raji and HL60 whole cell lysates.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126209 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ **(2)**	1/500 - 1/3000. Predicted molecular weight: 37 kDa.

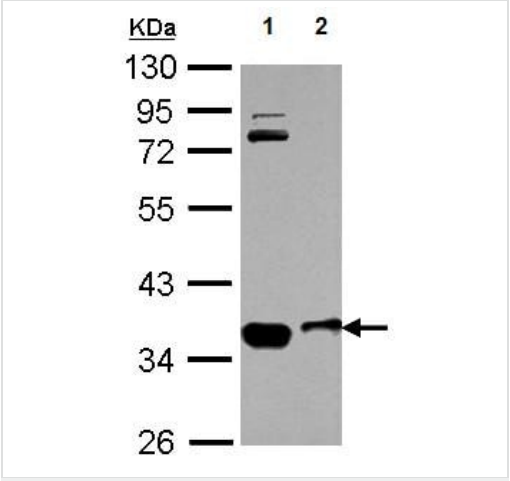
Target

Function Required for osteoclast and melanocyte maturation and function.

Involvement in disease Defects in OSTM1 are the cause of osteopetrosis autosomal recessive type 5 (OPTB5) [MIM:259720]; also called infantile malignant osteopetrosis 3. Osteopetrosis is a rare genetic disease characterized by abnormally dense bone, due to defective resorption of immature bone. The disorder occurs in two forms: a severe autosomal recessive form occurring in utero, infancy, or childhood, and a benign autosomal dominant form occurring in adolescence or adulthood. OPTB5 patients manifest primary central nervous system involvement in addition to the classical stigmata of severe bone sclerosis, growth failure, anemia, thrombocytopenia and visual impairment with optic atrophy.

Cellular localization Membrane.

Images



Western blot - Anti-OSTM1 antibody (ab126209)

All lanes : Anti-OSTM1 antibody (ab126209) at 1/1000 dilution

Lane 1 : Raji whole cell lysate

Lane 2 : HL60 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 37 kDa

10% SDS PAGE

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