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OSTM1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18345b

Product Information

Application	WB, E
Primary Accession	Q86WC4
Other Accession	Q8BGT0, NP_054747.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33416
Calculated MW	37257
Antigen Region	292-321

Additional Information

Gene ID	28962
Other Names	Osteopetrosis-associated transmembrane protein 1, Chloride channel 7 beta subunit, OSTM1, GL
Target/Specificity	This OSTM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 292-321 amino acids from the C-terminal region of human OSTM1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	OSTM1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OSTM1
Synonyms	GL

Function	Required for osteoclast and melanocyte maturation and function.
Cellular Location	Lysosome membrane; Single-pass type I membrane protein Note=Requires CLCN7 to travel to lysosomes

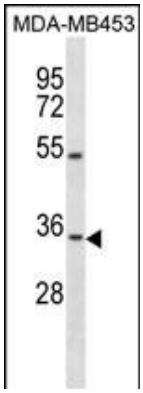
Background

This gene encodes a protein that may be involved in the degradation of G proteins via the ubiquitin-dependent proteasome pathway. The encoded protein binds to members of subfamily A of the regulator of the G-protein signaling (RGS) family through an N-terminal leucine-rich region. This protein also has a central RING finger-like domain and E3 ubiquitin ligase activity. This protein is highly conserved from flies to humans. Defects in this gene may cause the autosomal recessive, infantile malignant form of osteopetrosis.

References

Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
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Vieira, A.R., et al. Genet. Med. 10(9):668-674(2008)
Feigin, M.E., et al. Cell. Signal. 20(5):949-957(2008)
Maranda, B., et al. J. Bone Miner. Res. 23(2):296-300(2008)

Images



OSTM1 Antibody (C-term) (Cat. #AP18345b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the OSTM1 Antibody detected the OSTM1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.