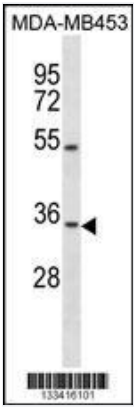
OSTM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OSTM1, Polyclonal Antibody
Full Product Name	OSTM1, CT (OSTM1, GL, Osteopetrosis-associated transmembrane protein 1, Chloride channel 7 beta subunit) (PE)
Product Gene Name	anti-OSTM1 antibody
Product Synonym Names	OSTM1; GL; Osteopetrosis-associated transmembrane protein 1; Chloride channel 7 beta subunit
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	37,257 Da
OMIM	259720
3D Structure	ModBase 3D Structure for Q86WC4
Immunogen	OSTM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 291-321 amino acids from the C-terminal region of human OSTM1.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-OSTM1 antibody	Antibodies; Transmembrane Proteins
Applications Tested/Suitable for anti-OSTM1 antibody	Western Blot (WB), FLISA
Application Notes for anti-OSTM1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OSTM1 antibody	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.
Product References and Citations for anti-OSTM1 antibody	Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009). Mazzolari, E., et al. Am. J. Hematol. 84(8):473-479(2009). 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).

Other Notes	Small volumes of anti-OSTM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OSTM1 purchase	MBS6329800 is an antibody targeting OSTM1. Also known as OSTM1, CT (OSTM1, GL, Osteopetrosis-associated transmembrane protein 1, Chloride channel 7 beta subunit) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OSTM1 antibody
OSTM1 Antibody (C-term) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the OSTM1 Antibody detected the OSTM1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OSTM1. It may not necessarily be applicable to this product.

NCBI GI #	30025026
NCBI GeneID	28962
NCBI Accession #	NP_054747.2
UniProt Primary Accession #	Q86WC4
UniProt Secondary Accession #	Q5R391; Q6PCA7; Q7RTW6; Q8NC29; Q8TC82; Q9Y2S9; E1P5E3
UniProt Related Accession #	Q86WC4
GenBank Nucleotide #	NM_014028.3
NCBI Official Full Name	osteopetrosis-associated transmembrane protein 1
NCBI Official Synonym Full Names	osteopetrosis associated transmembrane protein 1
NCBI Official Symbol	OSTM1
NCBI Official Synonym Symbols	GL; GIPN; OPTB5; HSPC019
UniProt Protein Name	Osteopetrosis-associated transmembrane protein 1
UniProt Synonym Protein Names	Chloride channel 7 beta subunit
Protein Family	Osteopetrosis-associated transmembrane protein
UniProt Gene Name	OSTM1
UniProt Synonym Gene Names	GL
UniProt Entry Name	OSTM1_HUMAN
NCBI Protein Information	osteopetrosis-associated transmembrane protein 1
Research Articles on OSTM1	**1.** Homozygous splice defect in OSTM1, coexisting with MANEAL mutation was identified in a patient with neurological disorder with brain iron accumulation.

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