TMEM214 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TMEM214, Polyclonal Antibody
Full Product Name	TMEM214, NT (Transmembrane protein 214) (MaxLight 405)
Product Gene Name	anti-TMEM214 antibody
Product Synonym Names	Transmembrane protein 214
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 MaxLight405.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	72,040 Da
OMIM	615301
3D Structure	ModBase 3D Structure for Q6NUQ4
Immunogen	TMEM214 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-74 amino acids from the N-terminal region of human TMEM214.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-TMEM214 antibody	Antibodies; Transmembrane Proteins
Applications Tested/Suitable for anti-TMEM214 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-TMEM214 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-TMEM214 antibody	MaxLight405 is a new Violet photostable dye conjugate comparable to Alexa Fluor 405, PacificBlue, Brilliant Violet 421 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (400nm); Emission (423nm); Extinction Coefficient 32,000.
Other Notes	Small volumes of anti-TMEM214 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 TMEM214 purchase	MBS6356454 is an antibody targeting TMEM214. Also known as TMEM214, NT (Transmembrane protein 214) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TMEM214. It may not necessarily be applicable to this product.

NCBI GI #	134152721
NCBI GeneID	54867
NCBI Accession #	NP_060197.4
UniProt Primary Accession #	Q6NUQ4
UniProt Secondary Accession #	Q53SW1; Q69YH4; Q8NC45; Q8WZ37; Q9NXH2; A6NNF2; B3KUI9; B5MCD8; D6W547
UniProt Related Accession #	Q6NUQ4
GenBank Nucleotide #	NM_017727.4
NCBI Official Full Name	transmembrane protein 214 isoform 1
NCBI Official Synonym Full Names	transmembrane protein 214
NCBI Official Symbol	TMEM214
UniProt Protein Name	Transmembrane protein 214
Protein Family	Transmembrane protein
UniProt Gene Name	TMEM214
UniProt Entry Name	TM214_HUMAN
NCBI Protein Information	transmembrane protein 214
UniProt Comments for TMEM214	TMEM214: Belongs to the TMEM214 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 2p23.3 Cellular Component: Golgi apparatus; endoplasmic reticulum membrane; endoplasmic reticulum; cytoplasmic microtubule; cytoplasm; integral to membrane Biological Process: apoptosis
Research Articles on TMEM214	**1.** TMEM214 is essential for endoplasmic reticulum (ER) stress-induced apoptosis by acting as an anchor for recruitment of procaspase 4 to the ER and its subsequent activation.
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