BTN3A3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BTN3A3, Polyclonal Antibody
Full Product Name	BTN3A3 Antibody
Product Gene Name	anti-BTN3A3 antibody
Product Synonym Names	Butyrophilin subfamily 3 member A3; BTN3A3; BTF3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	>95%, Protein G Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: BTN3A3 (MBS1495351) HRP Conjugated Antibody: BTN3A3 (MBS1493283)
Matching Pairs	Unconjugated Antibody: BTN3A3 (MBS1495351) Biotin Conjugated Antibody: BTN3A3 (MBS1496613)
Matching Pairs	Unconjugated Antibody: BTN3A3 (MBS1495351) FITC Conjugated Antibody: BTN3A3 (MBS1499564)
Molecular Weight	59,688 Da
OMIM	613595
3D Structure	ModBase 3D Structure for O00478
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Butyrophilin subfamily 3 member A3 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-138843
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BTN3A3 antibody	ELISA (EIA)
Related Product Information for anti-BTN3A3 antibody	MBS1495351 is an antibody targeting BTN3A3. Also known as BTN3A3 Antibody. Reactive in Human. Host: Rabbit. Plays a role in T-cell responses in the adaptive immune response.
Other Notes	Small volumes of anti-BTN3A3 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BTN3A3. It may not necessarily be applicable to this product.

NCBI GI #	338797729
NCBI GeneID	10384
NCBI Accession #	NP_001229732.1
UniProt Primary Accession #	O00478
UniProt Secondary Accession #	B4DWI7; E9PCP5
UniProt Related Accession #	O00478
GenBank Nucleotide #	NM_001242803.1
NCBI Official Full Name	butyrophilin subfamily 3 member A3 isoform c
NCBI Official Synonym Full Names	butyrophilin subfamily 3 member A3
NCBI Official Symbol	BTN3A3
NCBI Official Synonym Symbols	BTF3; BTN3.3
UniProt Protein Name	Butyrophilin subfamily 3 member A3
Protein Family	Butyrophilin subfamily
UniProt Gene Name	BTN3A3
UniProt Synonym Gene Names	BTF3
UniProt Entry Name	BT3A3_HUMAN
NCBI Protein Information	butyrophilin subfamily 3 member A3
NCBI Summary for BTN3A3	The butyrophilin (BTN) genes are a group of major histocompatibility complex (MHC)-associated genes that encode type I membrane proteins with 2 extracellular immunoglobulin (Ig) domains and an intracellular B30.2 (PRYSPRY) domain. Three subfamilies of human BTN genes are located in the MHC class I region: the single-copy BTN1A1 gene (MIM 601610) and the BTN2 (e.g., BTN2A1; MIM 613590) and BTN3 (e.g., BNT3A3) genes, which have undergone tandem duplication, resulting in 3 copies of each (summary by Smith et al., 2010 [PubMed 20208008]).[supplied by OMIM, Nov 2010]
UniProt Comments for BTN3A3	BTN3A3: Plays a role in T-cell responses in the adaptive immune response. Belongs to the immunoglobulin superfamily. BTN/MOG family. Homodimer Protein type: Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: cytoplasm; Golgi apparatus; integral to membrane; membrane; nucleolus; plasma membrane Biological Process: T cell mediated immunity
Research Articles on BTN3A3	**1.** This study identified that CGPs was found to significantly correlate with the differential expression and methylation of genes encoding butyrophilin, subfamily 3, member A3.
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