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BTNL8 Rabbit pAb

Catalog # AP97692

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q6UX41
Other Accession	Q6UX41
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56748
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BTNL8
Epitope Specificity	31-130/500
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 1 B30.2/SPRY domain. Contains 2 Ig-like V-type (immunoglobulin-like) domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	BTNL8 is a 500 amino acid single-pass type I membrane protein that belongs to the immunoglobulin superfamily and contains one B30.2/SPRY domain and one Ig-like V-type (immunoglobulin-like) domain. Expressed as multiple alternatively spliced isoforms, BTNL8 is encoded by a gene which maps to human chromosome 5. With 181 million base pairs encoding around 1,000 genes, chromosome 5 comprises about 6% of human genomic DNA. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome, while deletion of the q arm on chromosome 5 is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

Additional Information

Gene ID	79908
Other Names	BTN9.2; BTNL8_HUMAN; BTNL8; butyrophilin like 8; butyrophilin-like 8
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	BTNL8
Function	May stimulate primary immune response. Acts on T-cell stimulated sub-optimally through the TCR/CD3 complex stimulating their proliferation and cytokine production.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Expressed in neutrophils. Isoforms 1 and 5 are expressed at high levels in the colon, lung,testis, lymph nodes and thyroid tissue. Isoform 5, but not isoform 1, is detected in spleen

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