



BTN3A1/2/3 Polyclonal Antibody

Catalog No	YP-Ab-10681
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	BTN3A1/2/3 BTF3/4/5
Immunogen	Synthetic peptide from human protein at AA range: 41-90
Specificity	The antibody detects endogenous BTN3A1/2/3
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BTN3A1/2/3;BTN3A1/2/3 BTF3/4/5;Butyrophilin subfamily 3 member A1/2/3 (CD antigen CD277)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Detected on T-cells, natural killer cells, dendritic cells and macrophages (at protein level). Ubiquitous. Highly expressed in heart, pancreas and lung, Moderately expressed in placenta, liver and muscle.
Function	similarity:Belongs to the immunoglobulin superfamily. BTN/MOG family., similarity:Contains 1 B30.2/SPRY domain.,similarity:Contains 2 Ig-like V-type (immunoglobulin-like) domains.,tissue specificity:Highly expressed in heart, pancreas and lung, Moderately expressed in placenta, liver and muscle.,
Background	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., BNT3A1) 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],

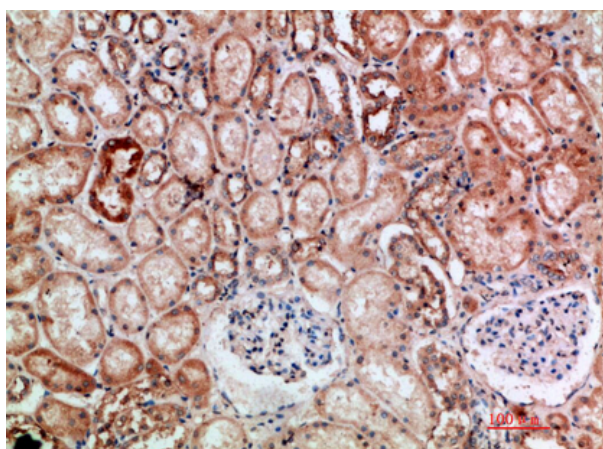
matters needing attention

Avoid repeated freezing and thawing!

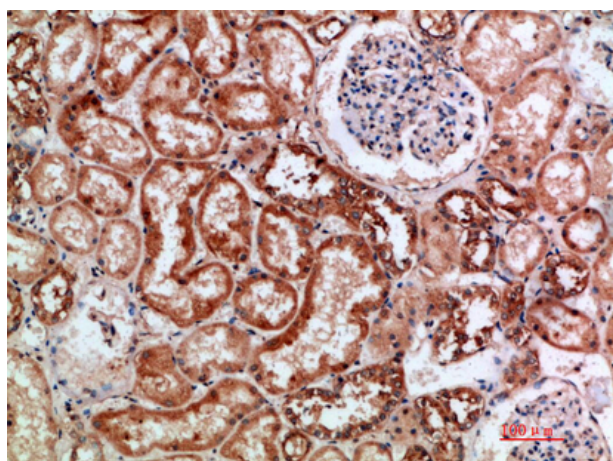
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



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