

**BTN3A1/2/3 Polyclonal Antibody**

<b>Catalog No :</b>	YT5948
<b>Reactivity :</b>	Human
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	BTN3A1/2/3
<b>Gene Name :</b>	BTN3A1/2/3 BTF3/4/5
<b>Protein Name :</b>	Butyrophilin subfamily 3 member A1/2/3 (CD antigen CD277)
<b>Human Gene Id :</b>	11119
<b>Human Swiss Prot No :</b>	O00481/P78410/O00478
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 41-90
<b>Specificity :</b>	The antibody detects endogenous BTN3A1/2/3
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Background :</b>	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.,

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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],

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**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.,

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**Subcellular Location :**

Cell membrane ; Single-pass type I membrane protein .

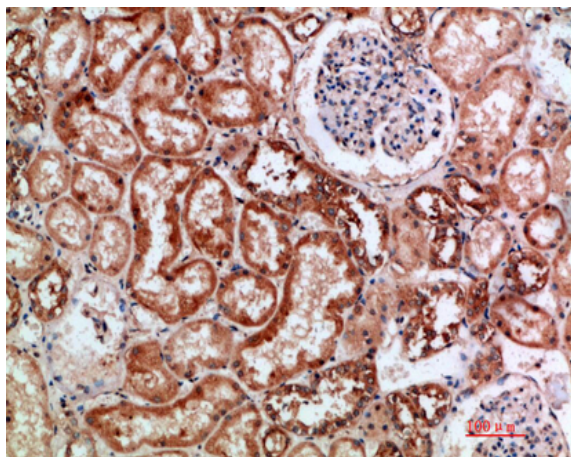
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**Expression :**

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.

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## Products Images



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