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Product datasheet for TA501529BM

BTN1A1 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI7B5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7B5
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:200~500, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BTN1A1 (NP_001723) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58.8 kDa
Gene Name:	butyrophilin subfamily 1 member A1
Database Link:	NP_001723 Entrez Gene 100855656 DogEntrez Gene 696 Human Q13410
Background:	Butyrophilin is the major protein associated with fat droplets in the milk. It is a member of the immunoglobulin superfamily. It may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families [provided by RefSeq].

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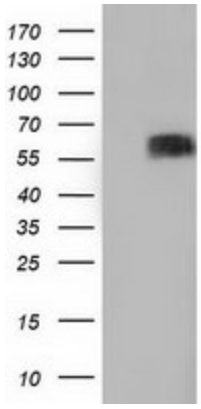
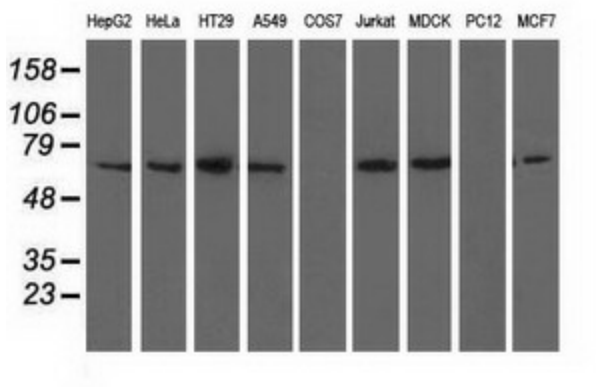
Synonyms: BT; BTN; BTN1

Protein Families: Druggable Genome, Transmembrane

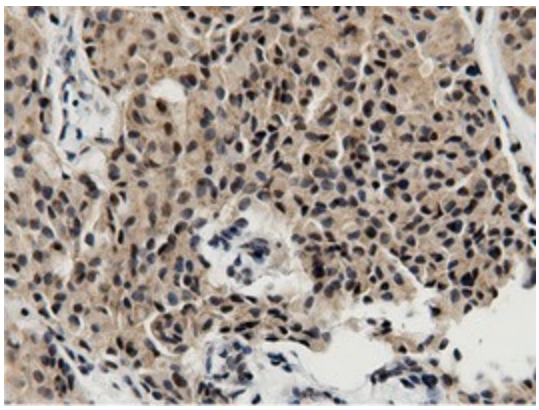
Product images:



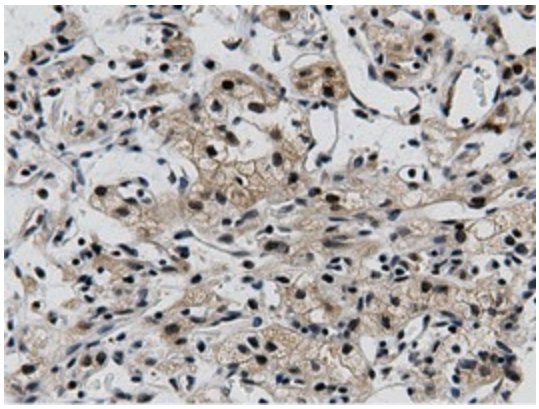
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BTN1A1 (Cat# [RC223852], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BTN1A1(Cat# [TA501529]). Positive lysates [LY400653] (100ug) and [LC400653] (20ug) can be purchased separately from OriGene.



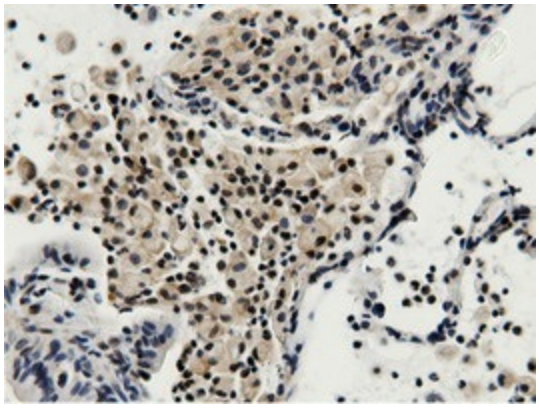
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-BTN1A1 monoclonal antibody.



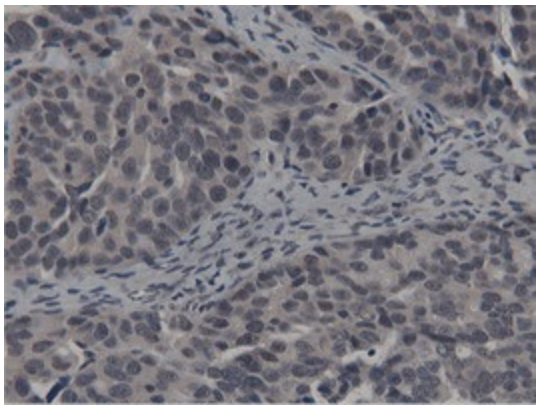
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



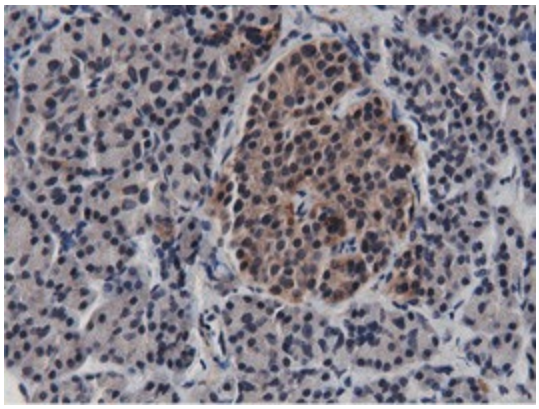
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



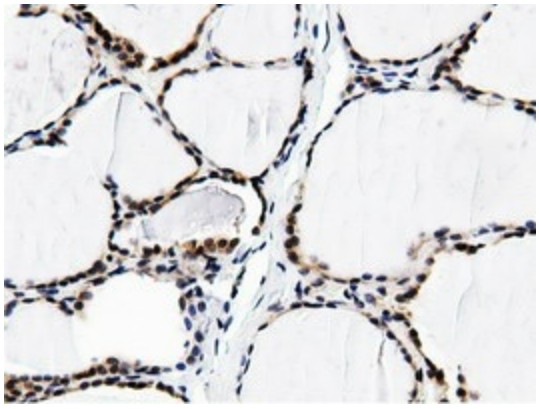
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



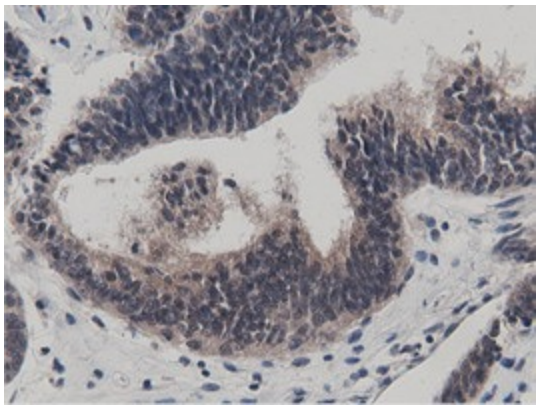
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



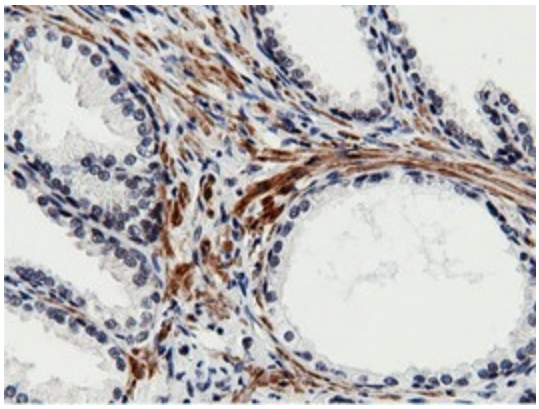
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



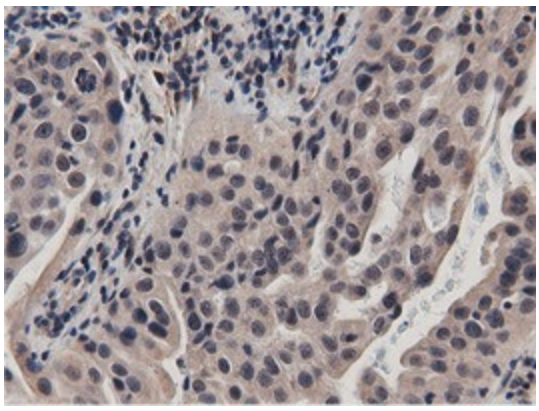
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



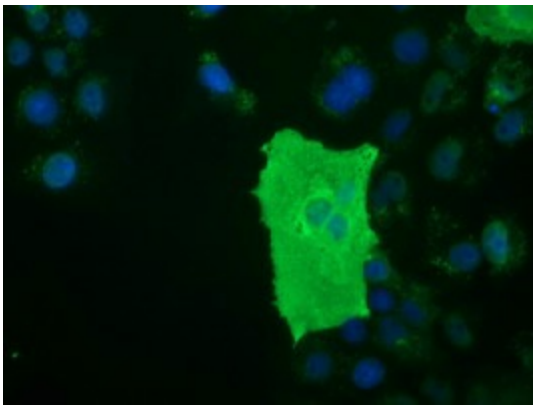
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



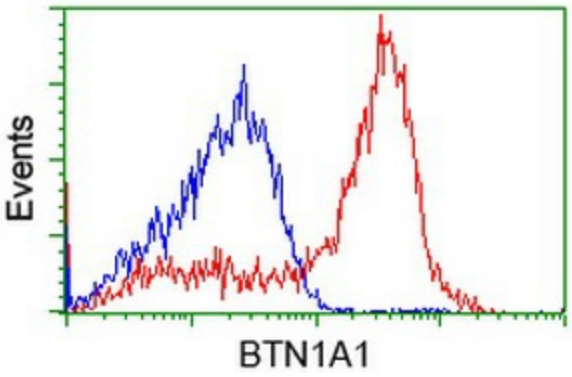
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



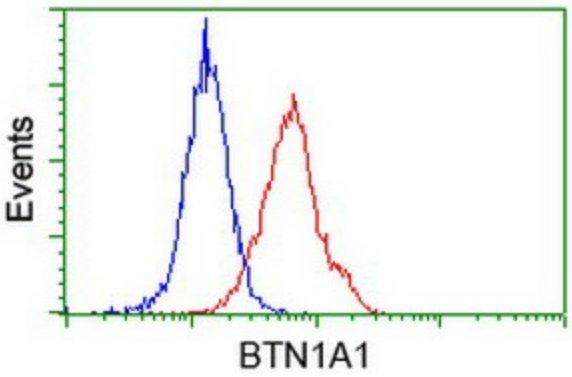
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-BTN1A1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501529])



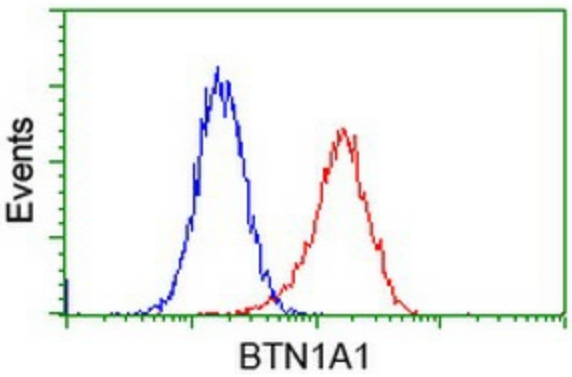
Anti-BTN1A1 mouse monoclonal antibody ([TA501529]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BTN1A1 ([RC223852]).



HEK293T cells transfected with either [RC223852] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BTN1A1 antibody ([TA501529]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-BTN1A1 antibody ([TA501529]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-BTN1A1 antibody ([TA501529]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).