

Datasheet for ABIN2782137  
**anti-BTN1A1 antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

|                      |                                       |
|----------------------|---------------------------------------|
| Quantity:            | 100 µL                                |
| Target:              | BTN1A1                                |
| Binding Specificity: | N-Term                                |
| Reactivity:          | Human, Rat, Dog, Horse                |
| Host:                | Rabbit                                |
| Clonality:           | Polyclonal                            |
| Conjugate:           | This BTN1A1 antibody is un-conjugated |
| Application:         | Western Blotting (WB)                 |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human BTN1A1                                      |
| Sequence:             | LPCRLSPNAS AEHLELRWFR KKVSPAVLVH RDGREQEAEQ MPEYRGRATL   |
| Predicted Reactivity: | Dog: 93%, Horse: 79%, Human: 100%, Rat: 79%  |
| Characteristics:      | This is a rabbit polyclonal antibody against BTN1A1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified  |

## Target Details

|         |        |
|---------|--------|
| Target: | BTN1A1 |
|---------|--------|

## Target Details

|                   |  |
|-------------------|--|
| Alternative Name: | BTN1A1 ( <a href="#">BTN1A1 Products</a> )   |
| Background:       | <p>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. 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.</p> <p>Alias Symbols: BT, BTN</p> <p>Protein Interaction Partner: TRIM68, PLK1, XDH,</p> <p>Protein Size: 526</p> |
| Molecular Weight: | 56 kDa   |
| Gene ID:          | 696  |
| NCBI Accession:   | <a href="#">NM_001732</a> , <a href="#">NP_001723</a>  |
| UniProt:          | <a href="#">Q13410</a>   |
| Pathways:         | <a href="#">Activated T Cell Proliferation</a>   |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 526 AA   |
| Restrictions:      | For Research Use only  |

## Handling

|                    |   |
|--------------------|---|
| Format:            | Liquid  |
| Concentration:     | Lot specific  |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which                       |

Handling

|                  |   |
|------------------|---|
|                  | should be handled by trained staff only.  |
| Handling Advice: | Avoid repeated freeze-thaw cycles.  |
| Storage:         | -20 °C  |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



**Western Blotting**

**Image 1.** WB Suggested Anti-BTN1A1 Antibody Titration:  
0.2-1 ug/ml Positive Control: HepG2 cell lysate