

Datasheet for ABIN634554  
**anti-ULBP1 antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	ULBP1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULBP1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	ULBP1 antibody was raised using the N terminal of ULBP1 corresponding to a region with amino acids MAAAASPAFLCLPLLHLLSGWSRAGWVDTHCLCYDFIITPKSRPEPQWC
Specificity:	ULBP1 antibody was raised against the N terminal of ULBP1
Purification:	Affinity purified

## Target Details

Target:	ULBP1
Alternative Name:	ULBP1 ( <a href="#">ULBP1 Products</a> )
Background:	ULBP1 is the ligand for the NKG2D receptor, together with at least ULBP2 and ULBP3. ULBPs activate multiple signaling pathways in primary NK cells, resulting in the production of cytokines and chemokines. Binding of ULBPs ligands to NKG2D induces calcium mobilization and

## Target Details

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activation of the JAK2, STAT5, ERK and PI3K kinase/Akt signal transduction pathway. In CMV infected cells, interacts with soluble CMV glycoprotein UL16. The interaction with UL16 blocked the interaction with the NKG2D receptor, providing a mechanism by which CMV infected cells might escape the immune system. UL16 also causes ULBP1 to be retained in the ER and cis-Golgi apparatus so that it does not reach the cell surface.

Molecular Weight: 28 kDa (MW of target protein)

Pathways: [Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process](#)

## Application Details

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Application Notes: WB: 1 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: ULBP1 Blocking Peptide, catalog no. 33R-5583, is also available for use as a blocking control in assays to test for specificity of this ULBP1 antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ULBP1 antibody in PBS

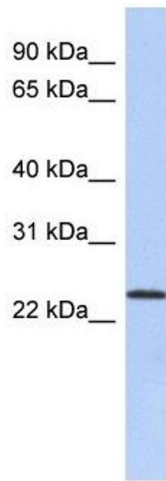
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Western Blotting

**Image 1.** ULBP1 antibody used at 1 ug/ml to detect target protein.