

# Anti-ULBP1 Antibody [JE65-75]

HA720092



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 28 kDa
<b>Clone number:</b>	JE65-75

**Description:** The protein encoded by this gene is a ligand of natural killer group 2, member D (NKG2D), an immune system-activating receptor on NK cells and T-cells. Binding of the encoded ligand to NKG2D leads to activation of several signal transduction pathways, including those of JAK2, STAT5, ERK and PI3K kinase/Akt. Also, in cytomegalovirus-infected cells, this ligand binds the UL16 glycoprotein and is prevented from activating the immune system. Three transcript variants encoding different isoforms have been found for this gene.

**Immunogen:** Synthetic peptide within human ULBP1 aa 1-50/244.

**Positive control:** SiHa cell lysates, Jurkat cell lysates.

**Subcellular location:** Cell membrane, Endoplasmic reticulum, Membrane.

**Database links:** SwissProt: Q9BZM6 Human

**Recommended Dilutions:**  
**WB** 1:500-1:1,000

**Storage Buffer:** 1\*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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## Images

**Fig1:** Western blot analysis of ULBP1 on SiHa cell lysates with Rabbit anti-ULBP1 antibody (HA720092) at 1/500 dilution.

Lysates/proteins at 10 µg/Lane.

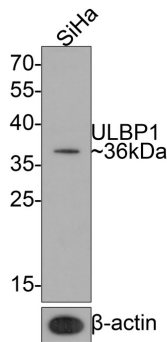
Predicted band size: 28 kDa

Observed band size: 36 kDa

Exposure time: 2 minutes;

12% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA720092) at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.



**Fig2:** Western blot analysis of ULBP1 on Jurkat cell lysates with Rabbit anti-ULBP1 antibody (HA720092) at 1/1,000 dilution.

Lysates/proteins at 10 µg/Lane.

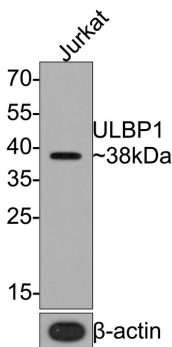
Predicted band size: 28 kDa

Observed band size: 38 kDa

Exposure time: 2 minutes;

12% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA720092) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.



**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

### Background References

1. Hu B. et. al. Epithelial-mesenchymal transition may be involved in the immune evasion of circulating gastric tumor cells via downregulation of ULBP1. *Cancer Med.* 2020 Apr
2. Easom NJW. et. al. ULBP1 Is Elevated in Human Hepatocellular Carcinoma and Predicts Outcome. *Front Oncol.* 2020 Jun

