

# ULBP2 Polyclonal antibody

Catalog Number: 13133-1-AP

3 Publications

## Basic Information

<b>Catalog Number:</b> 13133-1-AP	<b>GenBank Accession Number:</b> BC034689	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 80328	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> UL16 binding protein 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 246 aa, 27 kDa	
<b>Immunogen Catalog Number:</b> AG3798	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> Jurkat cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human liver cancer tissue, human gliomas tissue
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

NKG2D an activating cell surface receptor that is predominantly expressed on cytotoxic immune cells. NKG2D recognizes a wide range of ligands. In humans, the NKG2D ligand (NKG2DL) includes MICA, MICB, and six members of the ULBP family (ULBP1-6) (PMID: 29568297; 30813924). ULBPs are MHC class I-related molecules (PMID: 11239445). ULBP2 contains two Ig-like domains, the alpha-1 and alpha-2 domains characteristic of the MHC class I family, but lacks the alpha-3 domain. It can be expressed as either a transmembrane or GPI-linked protein, or released from the cell surface (PMID: 21224393; 24614922). ULBP2 binds and activates the NKG2D, mediating the recruitment and activation of NK cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jun Weng	31360109	Int J Biol Sci	WB
Hui-Yang Wu	34999394	Int Immunopharmacol	WB
Deli Mao	37591356	Cancer Lett	WB

## Storage

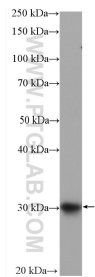
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

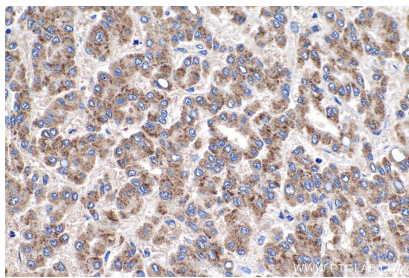
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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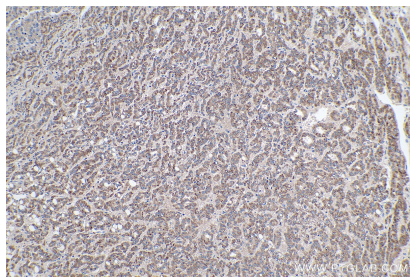
## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 13133-1-AP (ULBP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13133-1-AP (ULBP2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13133-1-AP (ULBP2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).