

For Research Use Only

ULBP2 Recombinant antibody, PBS Only

Catalog Number:83709-1-PBS



Basic Information

Catalog Number:

83709-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_025217.4

GeneID (NCBI):

80328

UNIPROT ID:

Q9BZM5

Full Name:

UL16 binding protein 2

Calculated MW:

27 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

240413A6

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Background Information

NGK2D is an activating cell surface receptor that is predominantly expressed on cytotoxic immune cells. NGK2D recognizes a wide range of ligands. In humans, the NGK2D ligand (NGK2DL) 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 NGK2D, mediating the recruitment and activation of NK cells.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

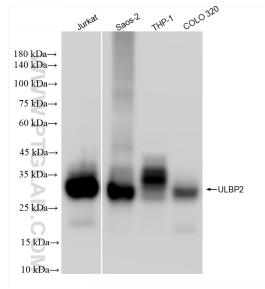
T: 4006900926

E: Proteintech-CN@ptglab.com

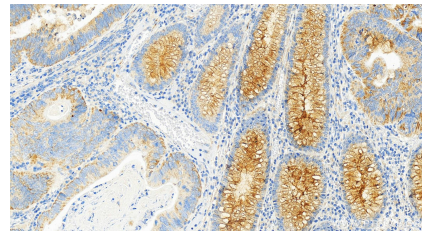
W: ptgcn.com

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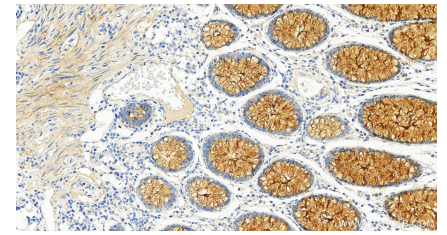
Selected Validation Data



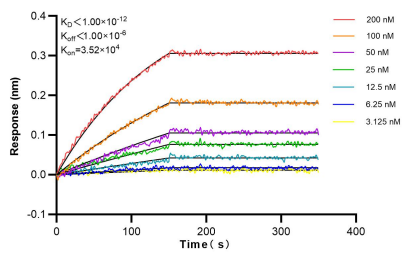
Various lysates were subjected to SDS PAGE followed by western blot with 83709-1-RR (ULBP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83709-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 83709-1-RR (ULBP2 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83709-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 83709-1-RR (ULBP2 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83709-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83709-1-RR against Human ULBP2 were performed. The affinity constant is below 1 pM.