

For Research Use Only

ULBP2 Recombinant antibody, PBS Only

Catalog Number: 83709-1-PBS



Basic Information

Catalog Number:

83709-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

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

NKG2D is 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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

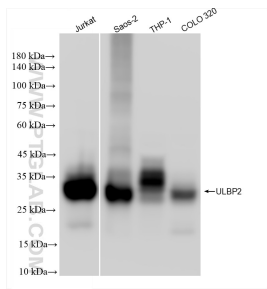
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

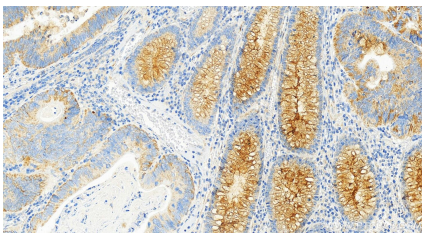
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

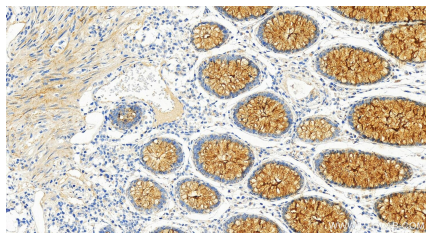
Selected Validation Data



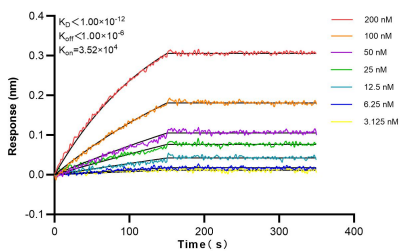
Various lysates were subjected to SDS PAGE followed by western blot with 83709-1-RR (ULBP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83709-1-PBS in a different storage buffer formulation.



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.