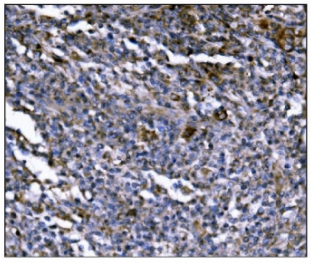
ERAP2 Antibody (RQ6481)

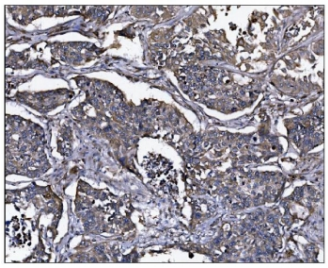
Catalog No.	Formulation	Size
RQ6481	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

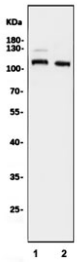
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6P179
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This ERAP2 antibody is available for research use only.



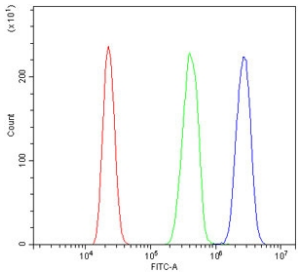
IHC staining of FFPE human lymphoma tissue with ERAP2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer tissue with ERAP2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Jurkat and 2) Caco-2 cell lysate with ERAP2 antibody. Predicted molecular weight ~110 kDa.



Flow cytometry testing of human HL60 cells with ERAP2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ERAP2 antibody.

Description

Endoplasmic reticulum aminopeptidase 2 is a protein that in humans is encoded by the ERAP2 gene. This gene encodes a zinc metalloaminopeptidase of the M1 protease family that resides in the endoplasmic reticulum and functions in N-terminal trimming antigenic epitopes for presentation by major histocompatibility complex (MHC) class I molecules. Certain mutations in this gene are associated with the inflammatory arthritis syndrome ankylosing spondylitis and pre-eclampsia. This gene is located adjacent to a closely related aminopeptidase gene on chromosome 5.

Application Notes

Optimal dilution of the ERAP2 antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids K13-T960) was used as the immunogen for the ERAP2 antibody.

Storage

After reconstitution, the ERAP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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