

For Research Use Only

ADA Polyclonal antibody

Catalog Number: 13328-1-AP

8 Publications



Basic Information

Catalog Number:

13328-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4128

GenBank Accession Number:

BC040226

GeneID (NCBI):

100

UNIPROT ID:

P00813

Full Name:

adenosine deaminase

Calculated MW:

363 aa, 41 kDa

Observed MW:

45-47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, HeLa cells, Jurkat cells, Sp2/0 cells

IHC : human stomach tissue, human cervical cancer tissue, human tonsillitis tissue

IF-P : mouse small intestine tissue,

Background Information

Adenosine deaminase (ADA, EC 3.5.4.4), which has been found in plants, bacteria, and mammals including humans and others, catalyzes the hydrolysis of adenosine to yield inosine. It was demonstrated that ADA also catalyzes the hydrolysis of the derivatives of nucleoside adenosine such as 2'-deoxyadenosine. ADA is expressed on the surface of T and B cells and plays an important role in the development of immune system. (PMID: 26038697)

Notable Publications

Author	Pubmed ID	Journal	Application
Gerald Wölkart	35618039	Eur J Pharmacol	WB
Xiaoting Chen	33869182	Front Cell Dev Biol	WB, IHC
Faisal Ayub Kiani	39408573	Int J Mol Sci	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

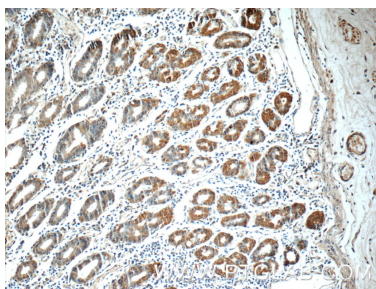
For technical support and original validation data for this product please contact:

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

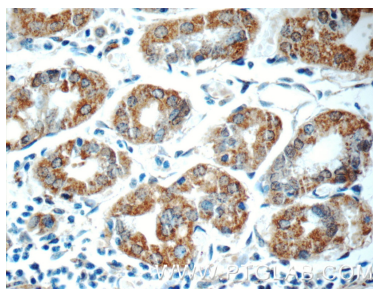
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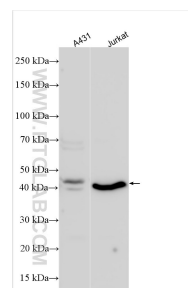
Selected Validation Data



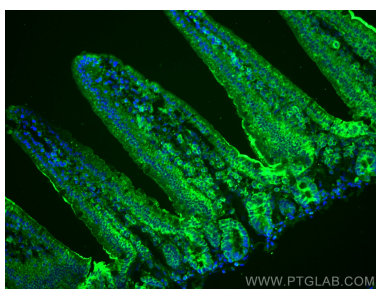
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13328-1-AP (ADA Antibody) at dilution of 1:50 (under 10x lens).



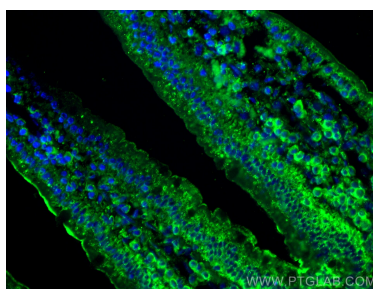
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13328-1-AP (ADA Antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 13328-1-AP (ADA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using ADA antibody (13328-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using ADA antibody (13328-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).