

Product Datasheet

ADE2 Antibody - BSA Free NBP1-90235

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-90235

ADE2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	47 kDa

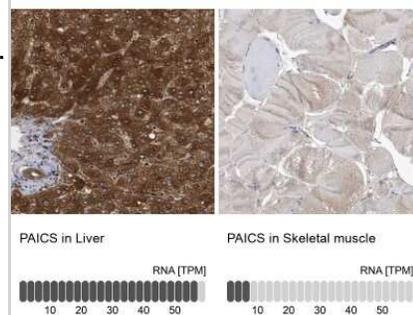
Product Description	
Description	Novus Biologicals Rabbit ADE2 Antibody - BSA Free (NBP1-90235) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-ADE2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10606
Gene Symbol	PAICS
Species	Human, Mouse, Rat, Chinese Hamster
Reactivity Notes	Chinese Hamster reactivity reported in scientific literature (PMID: 23394948).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ETAFIAPQCEMPIEWVCRRIATGSFLKRNPVKEGYKFYPPKVELFFKDDANN DPQWSEEQLIAAKFCFAGLLIGQTEVDIMS

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in RT-4 and U-251MG, separated by Size, antibody dilution of 1:20, apparent MW was 47, 50 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

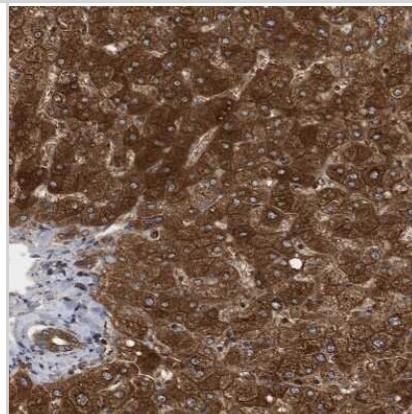


Images

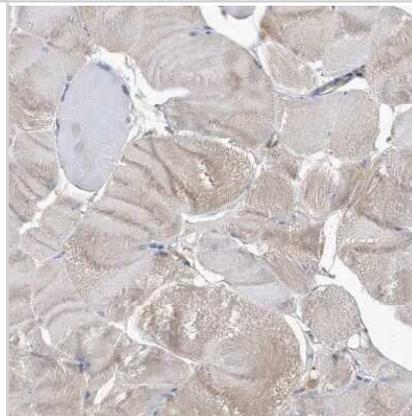
Immunohistochemistry-Paraffin: ADE2 Antibody [NBP1-90235] - Analysis in human liver and skeletal muscle tissues using NBP1-90235 antibody. Corresponding PAICS RNA-seq data are presented for the same tissues.



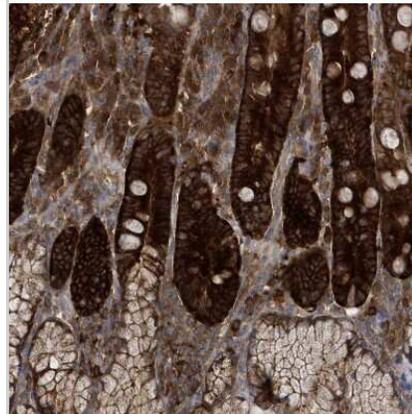
Immunohistochemistry-Paraffin: ADE2 Antibody [NBP1-90235] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



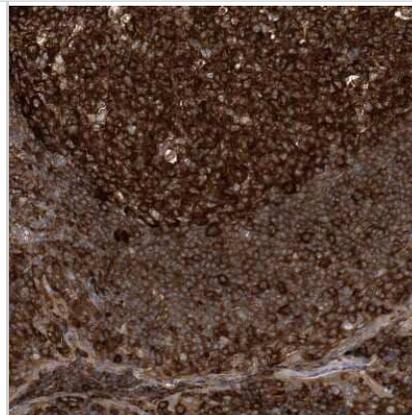
Immunohistochemistry-Paraffin: ADE2 Antibody [NBP1-90235] - Staining of human skeletal muscle shows very weak positivity in myocytes as expected.



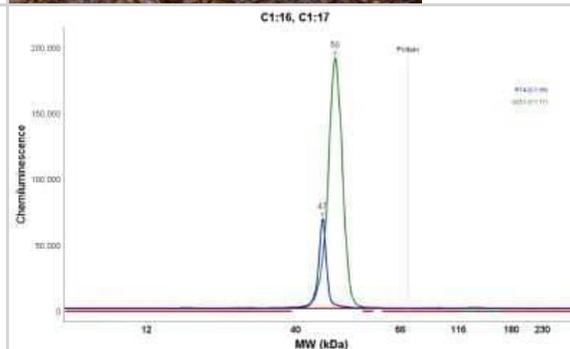
Immunohistochemistry-Paraffin: ADE2 Antibody [NBP1-90235] - Staining of human duodenum shows strong cytoplasmic positivity in glandular cells.



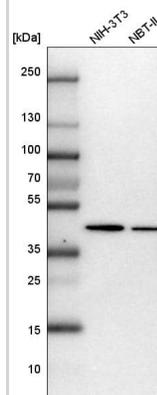
Immunohistochemistry-Paraffin: ADE2 Antibody [NBP1-90235] - Staining of human tonsil shows strong cytoplasmic positivity in germinal center cells.



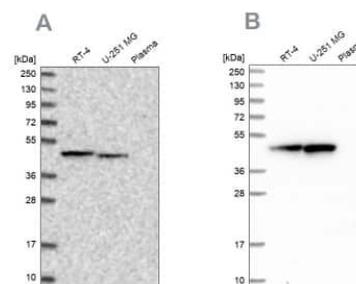
Simple Western: ADE2 Antibody [NBP1-90235] - Electropherogram image(s) of corresponding Simple Western lane view. ADE2 antibody was used at 1:20 dilution on RT-4 and U-251MG lysate(s).



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Western Blot: ADE2 Antibody [NBP1-90235] - Analysis using Anti-PAICS antibody NBP1-90235 (A) shows similar pattern to independent antibody NBP2-58966 (B).



Publications

Barfeld SJ, Fazli L, Persson M et al. Myc-dependent purine biosynthesis affects nucleolar stress and therapy response in prostate cancer. *Oncotarget* 2015-05-20 [PMID: 25869206] (WB, IF/IHC, Human)

Zhao A, Tsechansky M, Swaminathan J et al. Transiently Transfected Purine Biosynthetic Enzymes Form Stress Bodies. *PLoS One* 2013-01-01 [PMID: 23405267]

Duval N, Luhrs K, Wilkinson TG II et al. Genetic and metabolomic analysis of AdeD and Adel mutants of de novo purine biosynthesis: cellular models of de novo purine biosynthesis deficiency disorders. *Mol Genet Metab* 2013-03-01 [PMID: 23394948] (WB, Chinese Hamster)





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Products Related to NBP1-90235

NBP1-90235PEP	ADE2 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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