

# Product Datasheet

## MTHFD1 Antibody - BSA Free NBP1-82612

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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### Publications: 1

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Updated 2/21/2025 v.20.1

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**NBP1-82612**

MTHFD1 Antibody - BSA Free

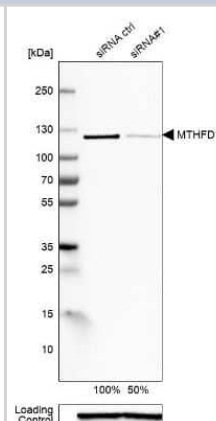
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	4522
Gene Symbol	MTHFD1
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23443080)
Marker	Cytoplasm Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LNGKEISAQIRARLKNQVTQLKEQVPGFTPLAILQVGNRDDSNLYINVKLKAAE EIGIKATHIKLPRTTTESEVMKYITSLNEDSTVHGFLVQLPLDSENSINTEEVINAI APEKDVDGLTSINAGRLARGDLNDCFIPCT

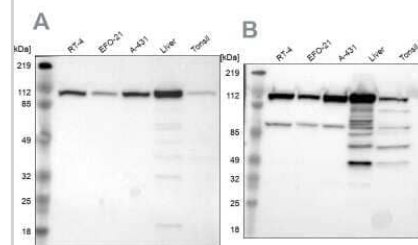
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

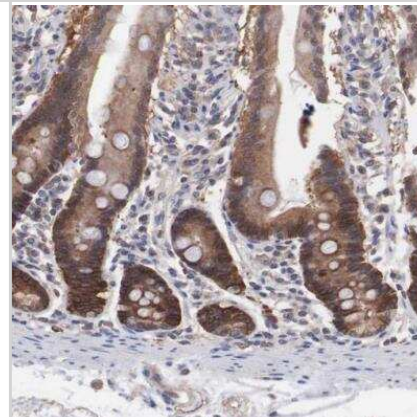
Western Blot: MTHFD1 Antibody [NBP1-82612] - Analysis in A-431 cells transfected with control siRNA, target specific siRNA probe #1, using anti-MTHFD1 antibody. Remaining relative intensity is presented. Loading control: anti-GAPDH.



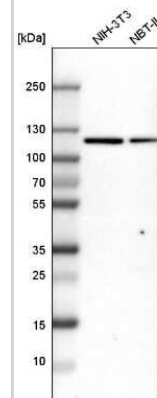
Western Blot: MTHFD1 Antibody [NBP1-82612] - Analysis using Anti-MTHFD1 antibody NBP1-82612 (A) shows similar pattern to independent antibody NBP1-82611 (B).



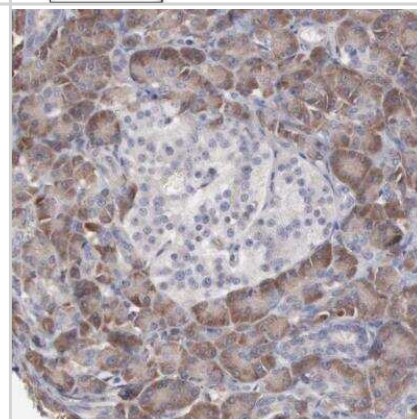
Immunohistochemistry-Paraffin: MTHFD1 Antibody [NBP1-82612] - Staining of human duodenum shows moderate to strong cytoplasmic positivity in glandular cells.



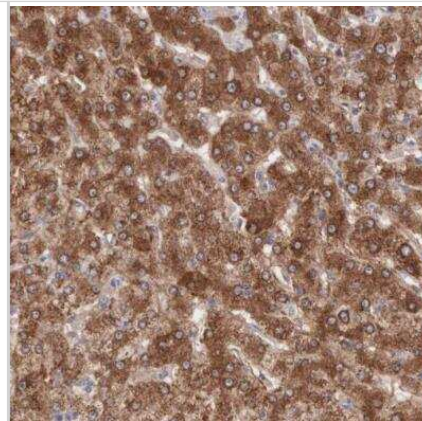
Western Blot: MTHFD1 Antibody [NBP1-82612] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



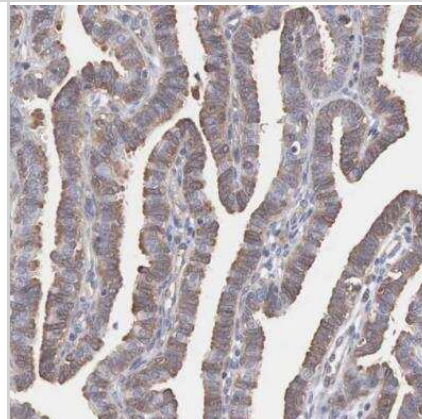
Immunohistochemistry-Paraffin: MTHFD1 Antibody [NBP1-82612] - Staining of human pancreas shows moderate to strong cytoplasmic positivity in exocrine glandular cells.



Immunohistochemistry-Paraffin: MTHFD1 Antibody [NBP1-82612] - Staining of human liver shows moderate to strong cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: MTHFD1 Antibody [NBP1-82612] - Staining of human fallopian tube shows weak to moderate cytoplasmic positivity in glandular cells.



## Publications

Tyleckova J, Hrabakova R, Mairychova K et al. Cancer Cell Response to Anthracyclines Effects: Mysteries of the Hidden Proteins Associated with These Drugs. Int J Mol Sci 2012-11-22 [PMID: 23443080]



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### **Products Related to NBP1-82612**

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NBP1-82612PEP	MTHFD1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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