

Product Datasheet

MTHFD2 Antibody NBP1-33200

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-33200**MTHFD2 Antibody****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 | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.025% Proclin 300 |
| Isotype | IgG |
| Purity | Antigen Affinity-purified |
| Buffer | PBS (pH 7), 20% Glycerol, 1% BSA |
| Target Molecular Weight | 38 kDa |

Product Description

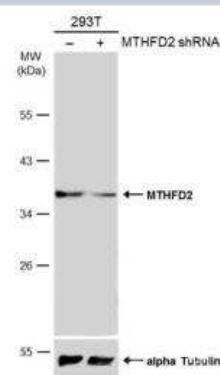
| | |
|-------------------------|--|
| Host | Rabbit |
| Gene ID | 10797 |
| Gene Symbol | MTHFD2 |
| Species | Human |
| Reactivity Notes | Zebrafish (86%), Xenopus laevis (90%). |
| Immunogen | Recombinant protein encompassing a sequence within the center region of human MTHFD2. The exact sequence is proprietary. |

Product Application Details

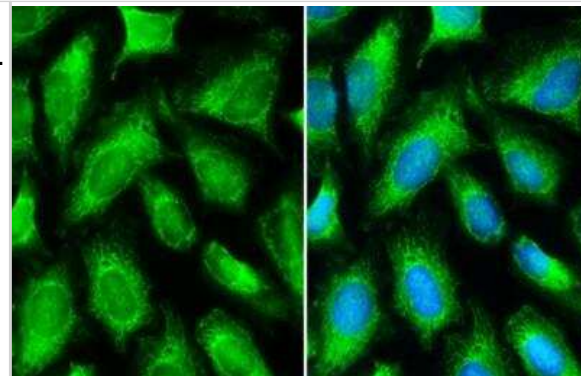
| | |
|------------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation |
| Recommended Dilutions | Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000 |

Images

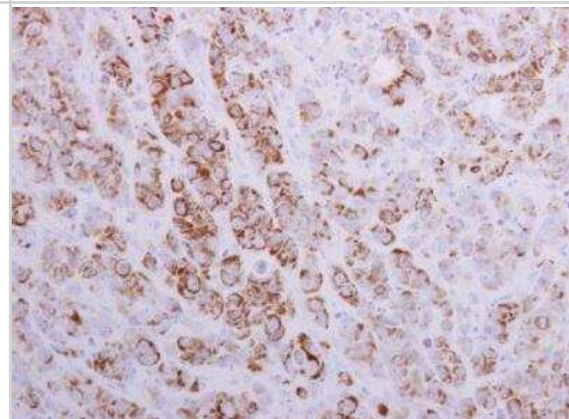
Western Blot: MTHFD2 Antibody [NBP1-33200] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with MTHFD2 antibody diluted at 1:3000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



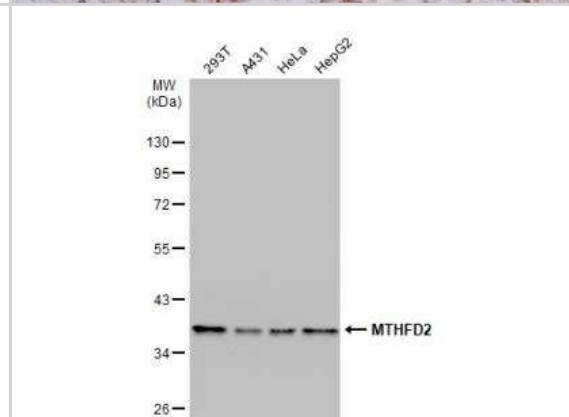
Immunocytochemistry/Immunofluorescence: MTHFD2 Antibody [NBP1-33200] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: MTHFD2 stained by MTHFD2 antibody [N1C3] diluted at 1:500. Blue: Fluoroshield with DAPI.



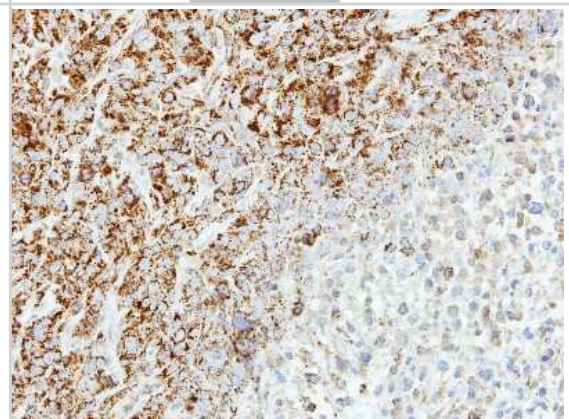
Immunohistochemistry-Paraffin: MTHFD2 Antibody [NBP1-33200] - Paraffin-embedded human MCF7 xenograft. MTHFD2 antibody [N1C3] diluted at 1:500.



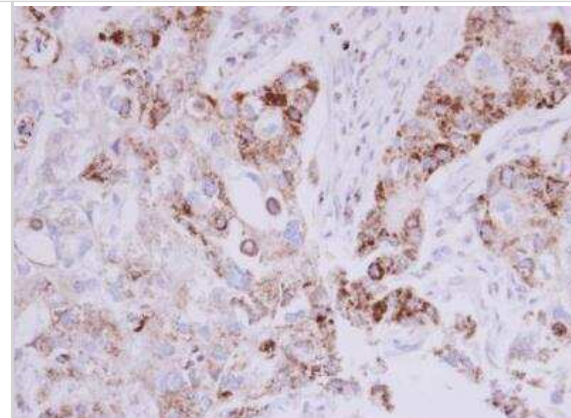
Western Blot: MTHFD2 Antibody [NBP1-33200] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with MTHFD2 antibody [N1C3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



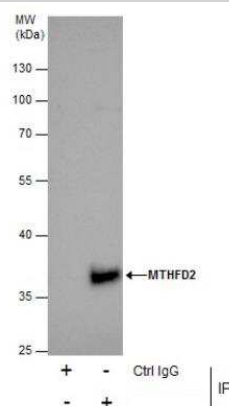
Immunohistochemistry-Paraffin: MTHFD2 Antibody [NBP1-33200] - Paraffin-embedded SAS xenograft, using antibody at 1:500 dilution.



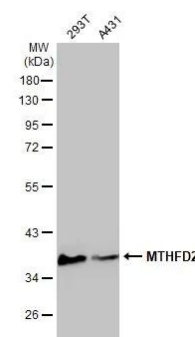
Immunohistochemistry-Paraffin: MTHFD2 Antibody [NBP1-33200] - Paraffin-embedded human breast carcinoma diluted at 1:500.



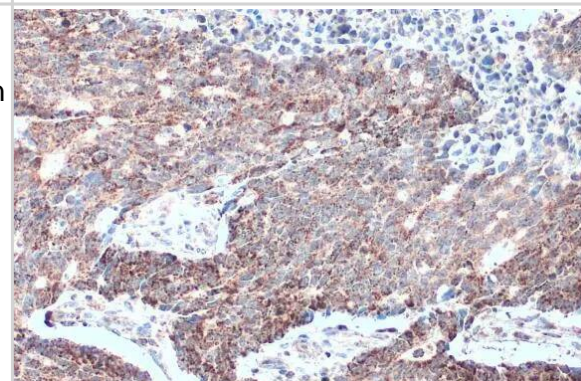
Immunoprecipitation: MTHFD2 Antibody [NBP1-33200] - Immunoprecipitation of MTHFD2 protein from 293T whole cell extracts using 5 ug of MTHFD2 antibody [N1C3] Western blot analysis was performed using MTHFD2 antibody [N1C3]. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



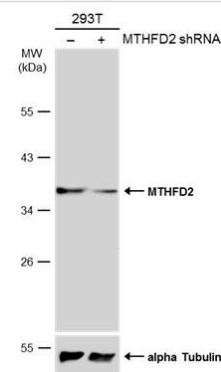
Western Blot: MTHFD2 Antibody [NBP1-33200] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with MTHFD2 antibody [N1C3] (NBP1-33200) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunohistochemistry-Paraffin: MTHFD2 Antibody [NBP1-33200] - MTHFD2 antibody [N1C3] detects MTHFD2 protein at mitochondria by immunohistochemical analysis. Sample: Paraffin-embedded human colon cancer. MTHFD2 stained by MTHFD2 antibody [N1C3] (NBP1-33200) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Western Blot: MTHFD2 Antibody [NBP1-33200] - Non-transfected (–) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with MTHFD2 antibody [N1C3] diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

Wang W, Gu W, Tang H et al. The Emerging Role of MTHFD Family Genes in Regulating the Tumor Immunity of Oral Squamous Cell Carcinoma *Journal of oncology* 2022-06-03 [PMID: 35693982] (IF/IHC)

Moran DM, Trusk PB, Pry KJ et al. KRAS mutation status is associated with enhanced dependency on folate metabolism pathways in Non Small Cell Lung Cancer cells. *Mol. Cancer Ther.* 2014-03-31 [PMID: 24688052] (IHC-P, Human)



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Products Related to NBP1-33200

| | |
|------------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NBP2-51979-0.1mg | Recombinant Human MTHFD2 His Protein |

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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