

Product datasheet for TA504319AM

OriGene Technologies, Inc.

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NPTN Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3C4]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI3C4

Applications: IF, IHC, WB

Recommended Dilution: WB 1:500~2000, IHC 1:150, IF 1:100

Reactivity: Human, Dog, Rat, Monkey

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human NPTN(NP_059429) produced in HEK293T

cell

Formulation: PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 0.5 mg/ml

Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Biotin

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 28.7 kDa

Gene Name: neuroplastin

Database Link: NP 059429

Entrez Gene 56064 RatEntrez Gene 487637 DogEntrez Gene 699627 MonkeyEntrez Gene

27020 Human

Q9Y639

Background: This gene encodes a type I transmembrane protein belonging to the Ig superfamily. The

protein is believed to be involved in cell-cell interactions or cell-substrate interactions.

Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Synonyms: GP55; GP65; np55; np65; SDFR1; SDR1

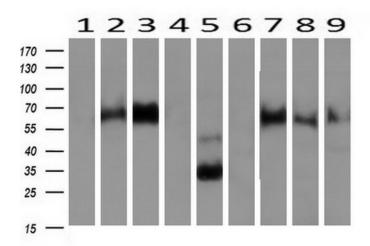




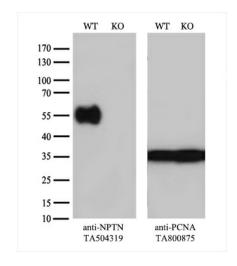
Protein Families: Druggable Genome, Transmembrane

300

Product images:

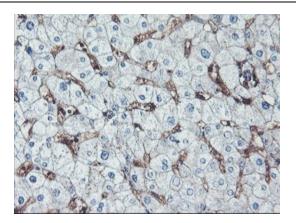


Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-NPTN monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: Colon).

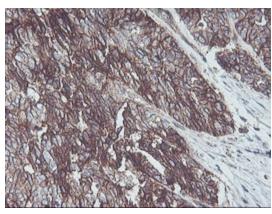


Equivalent amounts of cell lysates (10 ug per lane) of wild-type HEK293T cells (WT, Cat# LC810293T) and NPTN-Knockout HEK293T cells (KO, Cat# [LC842402]) were separated by SDS-PAGE and immunoblotted with anti-NPTN monoclonal antibody [TA504319] (1:1000). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.

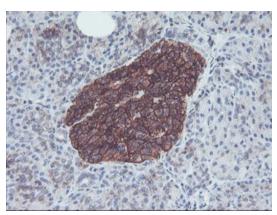




Immunohistochemical staining of paraffinembedded Human liver tissue within the normal limits using anti-NPTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504319])

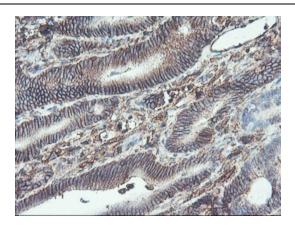


Immunohistochemical staining of paraffinembedded Adenocarcinoma of Human ovary tissue using anti-NPTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504319])

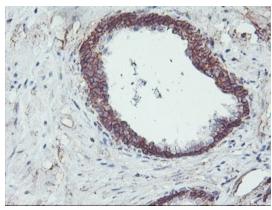


Immunohistochemical staining of paraffinembedded Human pancreas tissue within the normal limits using anti-NPTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504319])

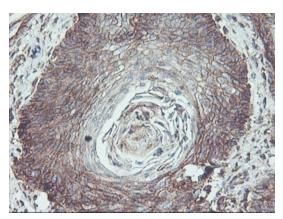




Immunohistochemical staining of paraffinembedded Carcinoma of Human pancreas tissue using anti-NPTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504319])

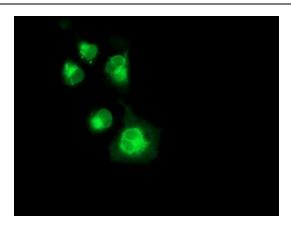


Immunohistochemical staining of paraffinembedded Carcinoma of Human prostate tissue using anti-NPTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504319])



Immunohistochemical staining of paraffinembedded Carcinoma of Human bladder tissue using anti-NPTN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504319])





Anti-NPTN mouse monoclonal antibody ([TA504319]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NPTN ([RC210326]).