

## Product datasheet for **TA504435**

### **NPTN Mouse Monoclonal Antibody [Clone ID: OTI2F4]**

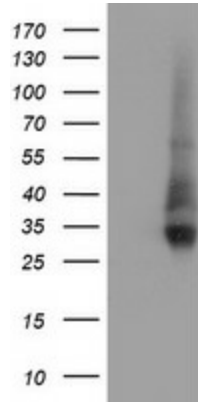
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2F4
<b>Applications:</b>	IF, WB
<b>Recommended Dilution:</b>	WB 1:2000, IF 1:100
<b>Reactivity:</b>	Human, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human NPTN(NP_059429) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.81 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	28.7 kDa
<b>Gene Name:</b>	neuroplastin
<b>Database Link:</b>	<a href="#">NP_059429</a> <a href="#">Entrez Gene 56064 Rat</a> <a href="#">Entrez Gene 27020 Human</a> <a href="#">Q9Y639</a>
<b>Background:</b>	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]
<b>Synonyms:</b>	GP55; GP65; np55; np65; SDFR1; SDR1
<b>Protein Families:</b>	Druggable Genome, Transmembrane

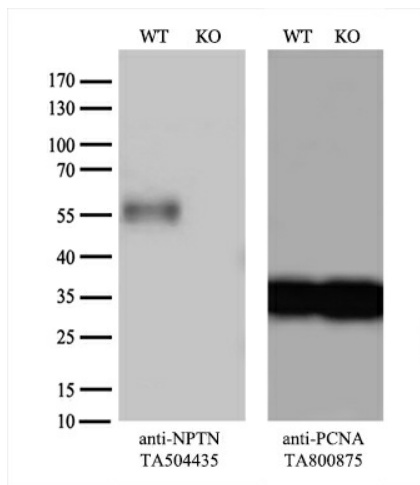


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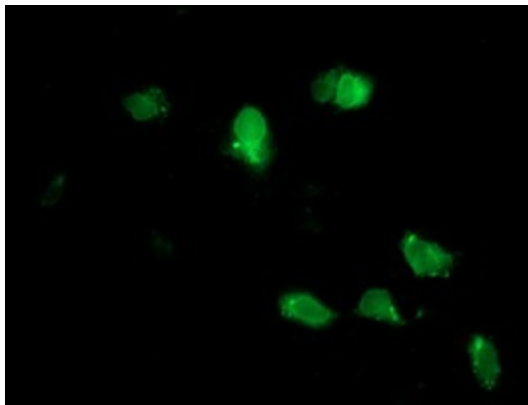
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NPTN ([RC210326], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NPTN. Positive lysates [LY413759] (100ug) and [LC413759] (20ug) can be purchased separately from OriGene.



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 TA504435 (1:500). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.



Anti-NPTN mouse monoclonal antibody (TA504435) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NPTN ([RC210326]).