

### 39-1075: Anti-NF68 Monoclonal Antibody (Clone: NR4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	NR4
<b>Application :</b>	WB,IHC-P,IHC-F
<b>Reactivity :</b>	Human
<b>Gene :</b>	Nefl
<b>Gene ID :</b>	83613
<b>Uniprot ID :</b>	P19527
<b>Alternative Name :</b>	Neurofilament light polypeptide; NF-L; 68 kDa neurofilament protein; Neurofilament triplet L protein; Nefl; Nf68, Nfl
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Pig spinal cord.

#### Description

Neurofilaments are composed of 3 neuron-specific proteins with apparent molecular masses of 68 kD(NFL), 125 kD(NFM) and 200 kD(NFH) on SDS-gel electrophoresis. And they have a role in the maturation of regenerating myelinated axons. Neurofilament 68(NF68), also called Neurofilament Protein, Light Chain(NFL). It is one of the most abundant cytoskeletal components of the neuron. Mutations in this gene were reported as a cause for autosomal dominant Charcot-Marie-Tooth type 2E(CMT2E) linked to chromosome 8p21. NFL was identified repeatedly in both screenings and found to interact with Myotubularin-related 2 gene, MTMR2 in both Schwann cells and neurons.

#### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

#### Application Note

Western blot : 1-2Å¼g/ml; Immunohistochemistry(Paraffin-embedded Section) : 2-4Å¼g/ml;  
Immunohistochemistry(Frozen Section) : 2-4Å¼g/ml