

**MAA692Hu22**

**Monoclonal Antibody to Neuropilin 1 (NRP1)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG2b Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** C2

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 20 $\mu$ L

**Cross Reactivity:** Mouse;Rat;Porcine

**Applications:** WB; IHC; ICC; IP.

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant NRP1 (Cys27~Asp444) expressed in *E.coli*

**Accession No.:** RPA692Hu03

**[ APPLICATIONS ]**

Western blotting: 0.01-2 $\mu$ g/mL;

Immunohistochemistry: 5-30 $\mu$ g/mL;

Immunocytochemistry: 5-20 $\mu$ g/mL;

Optimal working dilutions must be determined by end user.

**[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ IDENTIFICATION ]**

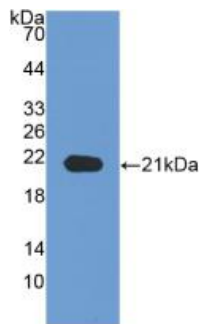
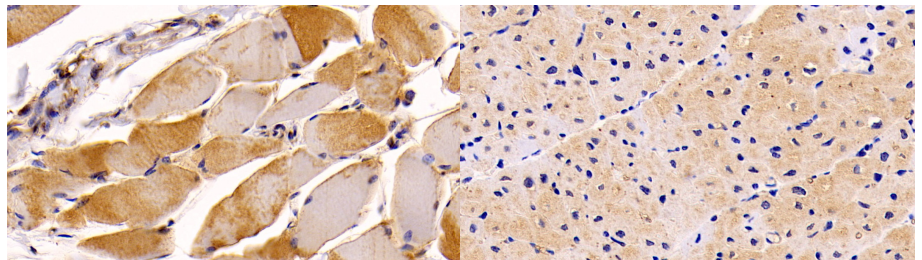
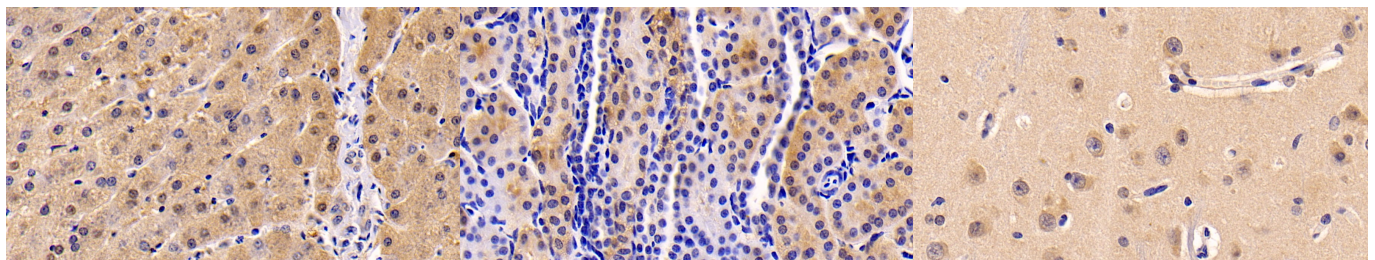


Figure. Western Blot; Sample: Recombinant NRP1, Human.



DAB staining on IHC-P; Sample: Human Skeletal muscle Tissue; Primary Ab: 30µg/ml Mouse Anti-Human NRP1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

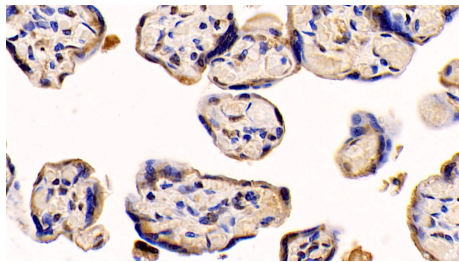
DAB staining on IHC-P; Sample: Human Cardiac Muscle Tissue; Primary Ab: 30µg/ml Mouse Anti-Human NRP1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Liver Tissue; Primary Ab: 30µg/ml Mouse Anti-Human NRP1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

DAB staining on IHC-P; Sample: Human Kidney Tissue; Primary Ab: 30µg/ml Mouse Anti-Human NRP1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

DAB staining on IHC-P; Sample: Human Cerebrum Tissue; Primary Ab: 30µg/ml Mouse Anti-Human NRP1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Human Placenta Tissue;

Primary Ab: 30µg/ml Mouse Anti-

Human NRP1 Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu19)

### **[ IMPORTANT NOTE ]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.