

# iFluor™ 594 Conjugated Goat anti-Rat IgG(H+L) Antibody

## HA1136



|                            |                                           |
|----------------------------|-------------------------------------------|
| <b>Product Type:</b>       | Goat polyclonal IgG, secondary antibodies |
| <b>Species reactivity:</b> | Rat                                       |
| <b>Applications:</b>       | IF-Tissue, IHC-Fr, IF-Cell, FC            |

**Description:** Whole IgG antibodies are isolated as intact molecules from antisera by immunoaffinity chromatography. They have an Fc portion and two antigen binding Fab portions joined together by disulfide bonds and therefore they are divalent. The average molecular weight is reported to be about 160 kDa. The whole IgG form of antibodies is suitable for the majority of immunodetection procedures and is the most cost effective. iFluor™ 594 dyes have fluorescence excitation and emission maxima of ~590 nm and ~610 nm respectively. iFluor™ 594 family is pH-independent from pH 3 to 11. These spectral characteristics make this new dye family an excellent alternative. iFluor™ 594 is much easier to be conjugated with RPE with much higher conjugation yield, and the resulted RPE-iFluor™ 594 tandem has better FRET efficiency. iFluor™ 594 SE is reasonably stable and shows good reactivity and selectivity with protein amino groups.

**Conjugate:** iFluor™ 594

**Immunogen:** Rat IgG(H+L).

**Recommended Dilutions:**

|           |       |
|-----------|-------|
| IF-Tissue | 1:500 |
| IHC-Fr    | 1:500 |
| IF-Cell   | 1:500 |
| FC        | 1:500 |

**Storage Buffer:** 1\*PBS (pH7.4), 1% BSA, 40% Glycerol, 0.2% Proclean 950.

**Storage Instruction:** Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

**Purity:** Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

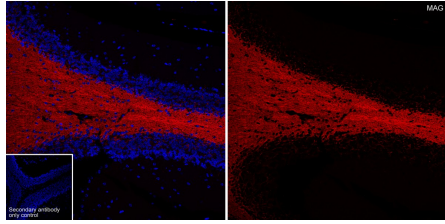
Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

## Images

**Fig1:** Application: IF-Tissue

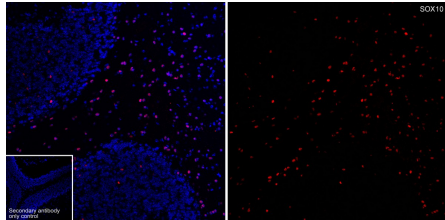
Species: Mouse

Site: Cerebellum

Sample: Paraffin-embedded section

Primary Antibody: HA601414 (1:500)

Secondary Antibody Concentration: 1: 500

**Fig2:** Application: IF-Tissue

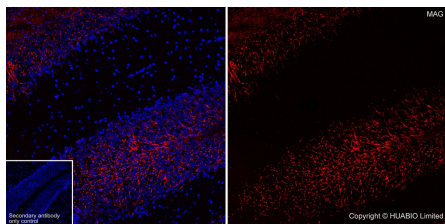
Species: Mouse

Site: Cerebellum

Sample: Paraffin-embedded section

Primary Antibody: HA601413 (1/1,000)

Secondary Antibody Concentration: 1/500

**Fig3:** Application: Immunofluorescence (IHC-Fr)

Species: Mouse

Tissue: Cerebellum

Sample: Frozen section

Antigen retrieval: Not required

Wash buffer: 1× TBST

Blocking: 10% normal goat serum + 1% Triton X-100 + 0.3 M Glycine in TBST, 30 minutes at room temperature.

Primary antibody: HA601414, 1/500, overnight at 4℃.

Secondary antibody: Goat Anti-Rat IgG (iFluor™ 594, HA1136, 1/500), 1.5 hours at room temperature.

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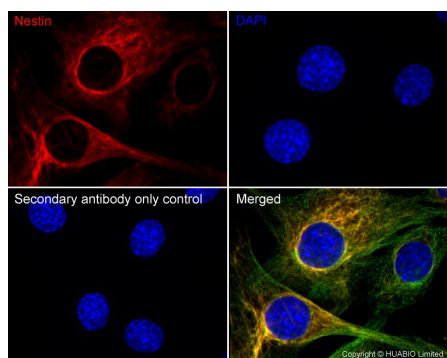
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**Fig4:** Application: Immunocytochemistry (IF-cell)

Species: Mouse

Sample: C2C12 (Mouse myoblast)



Fixation: 4% Paraformaldehyde, 15 minutes at room temperature.  
Permeabilization: 0.1% Triton X-100, 15 minutes at room temperature.

Blocking: 1% BSA + 10% normal goat serum, 1 hour at room temperature.

Antibody dilution buffer: 1% BSA in PBST.

Primary antibody: HA601406, 1/1,000, overnight at 4°C.

Secondary antibody: Goat Anti-Rat IgG (iFluor™ 594, HA1136, 1/500), 45 minutes at room temperature.

Counterstain: beta Tubulin (ET1602-4, Green), 1/100, overnight at 4°C. The nuclear counterstain was DAPI (Blue).

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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