HRP Conjugated Goat anti-Mouse IgG UltraPolymer Antibody

HA1120

Product Type: Goat polyclonal IgG, secondary antibodies

Species reactivity: Mouse

Applications: IHC-P

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. Horseradish peroxidase (HRP) conjugates are prepared by a modified Nakane and Kawaoi procedure (J. Histochem. Cytochem. 1974. 22, 1084). Peroxidase conjugates are commonly used for immunohistochemistry, Western blotting, and ELISA. Affinity-purified anti-horseradish peroxidase and conjugates are available for detection of horseradish peroxidase antigen or for signal amplification of HRP-containing reagents. For immunostaining of mammalian cells, an advantage of using anti-horseradish peroxidase is reduced background, since the antibody does not recognize the endogenous peroxidase-like enzymes found in those cells. UltraPolymer Goat anti-Mouse IgG (H&L) conjugated to HRP, affinity purified, min x w/ bovine, horse, human, pig or rabbit serum proteins.

Conjugate: HRP-conjugated

Immunogen: Purified Mouse IgG, whole molecule

Recommended Dilutions:

IHC-P Ready to Use

Storage Buffer: TBS, 1% (w/v) BSA, 0.1% Proclin 150, 10% heat-inactivated animal serum.

Storage Instruction: Store at 2-8 ℃.

Purity: Affinity purified using solid phase Mouse IgG.

Images

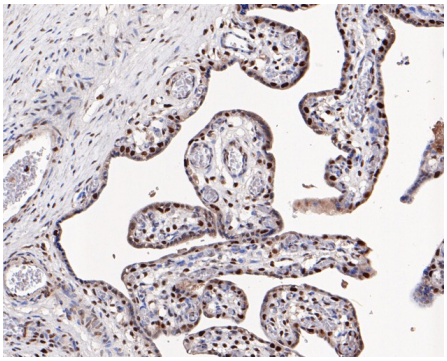

Fig1: Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-MSH2 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 mins. The detection was performed using an Goat anti-Mouse IgG (H&L) - HRP (HA1120). Counter stained with hematoxylin.

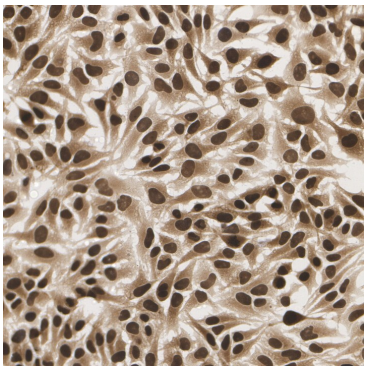

Fig2: Analysis of HeLa cells labeling p16 with Mouse anti-p16 antibody (HA601131) at 1/200 dilution.

Cells were fixed in 4% paraformaldehyde for 15 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-p16 antibody (HA601131) at 1/200 dilution in 1% BSA in PBST overnight at 4 ℃. The detection was performed using an Goat anti-Mouse IgG (H&L) - HRP (HA1120).

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