

AP22717PU-N**Polyclonal Antibody to IRS1 (1223-1242) - Purified****Alternate names:**

IRS-1, Insulin receptor substrate 1

Quantity:

0.25 ml

Background:

Insulin receptor substrates (IRS) are responsible for several insulin related activities, such as glucose homeostasis, cell growth, cell transformation, apoptosis and insulin signal transduction. Serine/threonine phosphorylation of IRS1 has been demonstrated to be a negative regulator of insulin signaling and is responsible for its degradation, although IRS1 degradation pathways are not well understood. IRS1 has also been shown to be constitutively activated in cancers such as breast cancer, Wilm's tumors, and adrenal cortical carcinomas, thus making IRS1 phosphorylation and subsequent degradation an attractive therapeutic target. To date there have been four subtypes identified: IRS1, 2, 3 and 4, with IRS1 being widely expressed.

Uniprot ID:[P35568](#)**NCBI:**[NP_005535](#)**GeneID:**[3667](#)**Host:**

Rabbit

Immunogen:

IRS1 antibody was raised against synthetic peptide corresponding to aa 1223-1242 of human IRS-1

Genename: IRS1**Format:****State:** Liquid purified Ig fraction**Purification:** Immunoaffinity Chromatography**Buffer System:** 10 mM PBS, pH 7.4**Preservatives:** Sodium Azide**Stabilizers:** BSA**Applications:****Immunohistochemistry on Paraffin Sections:** 15 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to Insulin Receptor Substrate-1 (IRS1).

Species: Human, Mouse, Rat.

Other species not tested.

Storage:

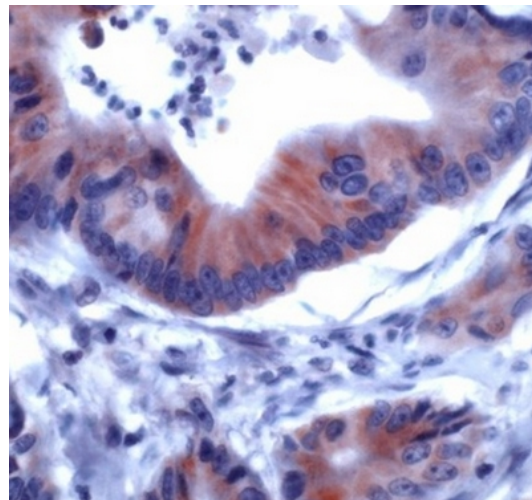
Store undiluted at 2-8°C.

DO NOT FREEZE!

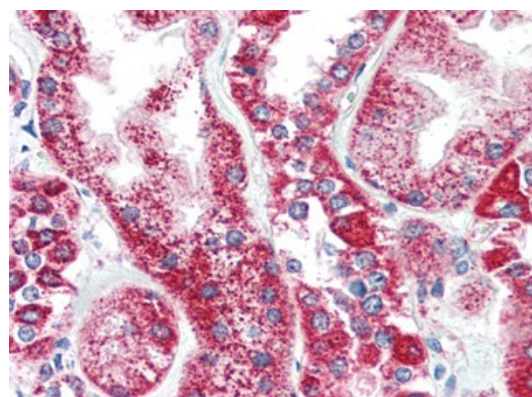
Shelf life: one year from despatch.

Pictures:

Human colon carcinoma stained with anti-IRS1 antibody



Human Kidney (formalin-fixed, paraffin-embedded) stained with IRS1 antibody AP22717PU-N at 15 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Brain, Cerebellum (formalin-fixed, paraffin-embedded) stained with IRS1 antibody AP22717PU-N at 15 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

