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IRS2 Rabbit mAb

Catalog No.: A25714 Recombinant

Basic Information

Observed MW
170kDa

Calculated MW
137kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC65786

Background

This gene encodes the insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. The product of this gene is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment.

Recommended Dilutions

WB	1:1000 - 1:5000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
8660

Swiss Prot
Q9Y4H2

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 1239-1338 of human IRS2 (NP_003740.2).

Synonyms
IRS-2; Irs2; IRS 2;

Contact

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Product Information

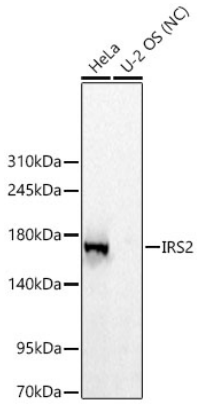
Source
Rabbit

Isotype
IgG

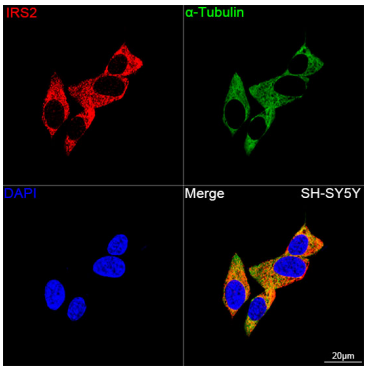
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

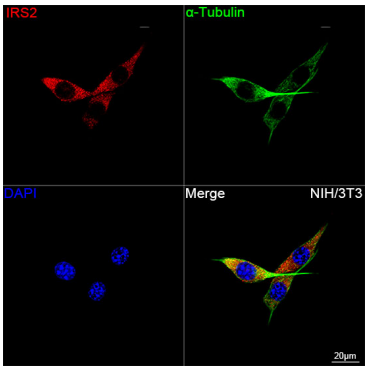
Validation Data



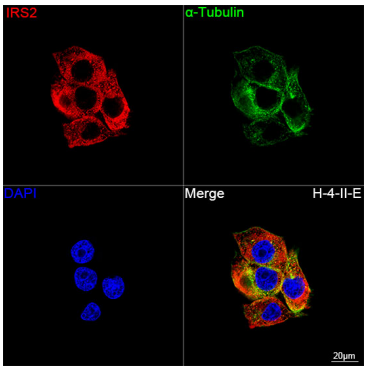
Western blot analysis of various lysates using IRS2 Rabbit mAb (A25714)at 1:3000 dilution incubated overnight at 4°C.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020)
Negative control (NC): U-2 OS
Exposure time: 5 s.



Confocal immunofluorescence analysis of SH-SY5Y cells using IRS2 Rabbit mAb (A25714, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with Alpha-tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal immunofluorescence analysis of NIH/3T3 cells using IRS2 Rabbit mAb (A25714, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with Alpha-tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal immunofluorescence analysis of H-4-II-E cells using IRS2 Rabbit mAb (A25714, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with Alpha-tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.