ARG30041
Phospho IRS1 Antibody Duo (Total, pS636)

Package: 1 pair
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG51720	anti-IRS1 phospho (Ser636) antibody	Rabbit pAb	Hu, Ms, Rat	IHC-P, WB	50 µl
ARG51203	anti-IRS1 antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	50 µl

Summary

Product Description	Insulin receptor substrate 1 (IRS-1) is a signalling adapter protein that is phosphorylated by insulin receptor tyrosine kinase. Mutations in IRS-1 are associated with type II diabetes and susceptibility to insulin resistance. IRS-1 plays a key role in transmitting signals from the insulin and insulin-like growth factor-1 (IGF-1) receptors to PI3K / Akt and Erk MAP kinase pathways. IRS-1 also plays important biological function for both metabolic and mitogenic pathways. IRS-1 could be phosphorylated by p70S6K, a downstream protein of Akt, at Ser-307, Ser-636, and Ser-1101 to insulin sensitivity. In addition, IRS-1 is also potentially phosphorylated by the PKCθ kinase at Ser307. ARG30040, ARG30041 and ARG30042 IRS-1 phospho-Duos, containing antibodies recognize total IRS-1 and phosphorylated IRS-1 at Ser307 or Ser636, and PKC theta (pS695). These Duos are designed for the IRS-1 related studies; insulin related signaling and IRS-1 regulation study.
Target Name	IRS1
Alternate Names	Phospho IRS1 antibody; Phospho Insulin receptor substrate 1 antibody; IRS1 antibody; IRS1 phospho (Ser636) antibody

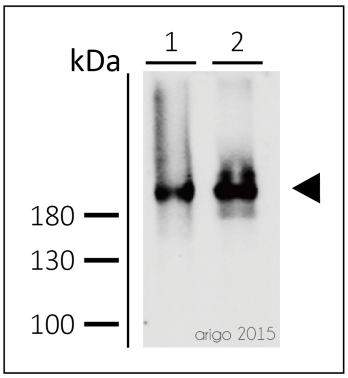
Properties

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

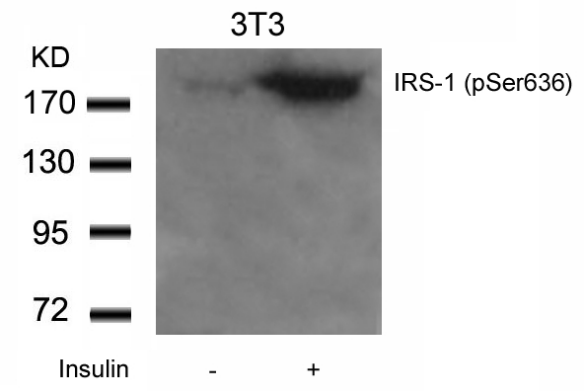
Gene Full Name	Phospho Insulin receptor substrate 1 (IRS1) Antibody Duo (Total, pS636)
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Controls and Markers antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody

Images



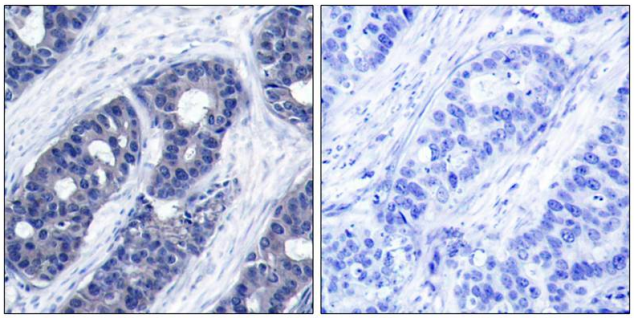
ARG51203 anti-IRS-1 antibody WB image

Western blot: 30 µg of 1) A549 and 2) HepG2 cell line lysate stained with ARG51203 anti-IRS-1 antibody at 1:500 dilution.



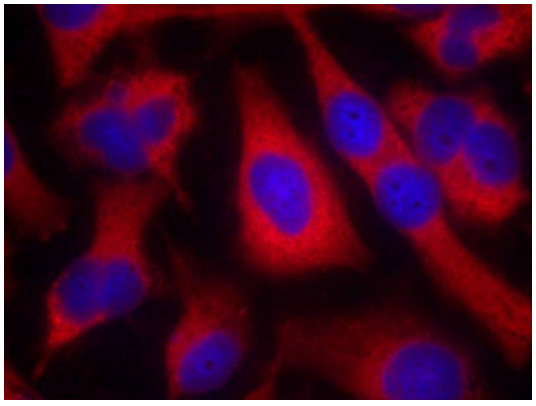
ARG51720 anti-IRS-1 phospho (Ser636) antibody WB image

Western Blot: extracts from 3T3 cells untreated or treated with Insulin stained with anti-IRS-1 (phospho Ser636) antibody ARG51720.



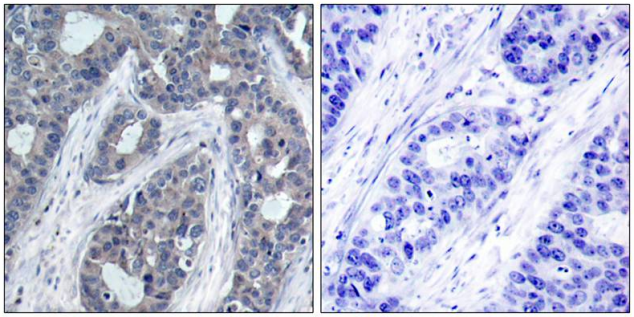
ARG51203 anti-IRS-1 antibody IHC-P image

Immunohistochemistry: paraffin-embedded human breast carcinoma tissue stained with anti-IRS-1 antibody ARG51203 (left) or the same antibody preincubated with blocking peptide (right).



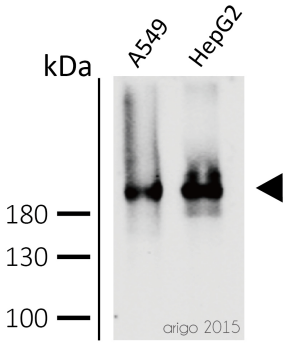
ARG51203 anti-IRS-1 antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with anti-IRS-1 antibody ARG51203.



ARG51720 anti-IRS-1 phospho (Ser636) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human breast carcinoma tissue stained with anti-IRS-1 (phospho Ser636) antibody ARG51720 (left) or the same antibody preincubated with blocking peptide (right).



ARG51203 anti-IRS1 antibody WB image

Western blot: 30 µg of A549 and HepG2 cell line lysate stained with ARG51203 anti-IRS1 antibody at 1:500 dilution.