

Anti-IRS1 antibody ab245314

1 References [画像数 3](#)

製品の概要

製品名	Anti-IRS1 antibody
製品の詳細	Rabbit polyclonal to IRS1
由来種	Rabbit
アプリケーション	適用あり: IP, WB, IHC-P
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide within Human IRS1 aa 1192-1242. The exact sequence is proprietary. NP_005535.1 Database link: P35568
ポジティブ・コントロール	WB: HeLa, HEK-293T and NIH/3T3 whole cell lysate. IP: IRS1 IP in HeLa whole cell lysate. IHC-P: Human breast carcinoma tissue.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
精製度	Immunogen affinity purified
特記事項(精製)	ab245314 was affinity purified using an epitope specific to IRS1 immobilized on solid support.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

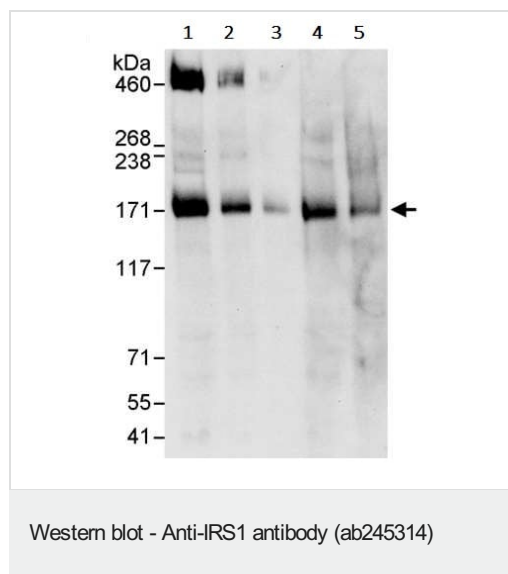
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab245314の使用に適用されず
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at 2-5 µg/mg of lysate.
WB		1/2000 - 1/10000. Predicted molecular weight: 132 kDa.
IHC-P		1/1000 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能	May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit.
関連疾患	Polymorphisms in IRS1 may be involved in the etiology of non-insulin-dependent diabetes mellitus (NIDDM) [MIM:125853].
配列類似性	Contains 1 IRS-type PTB domain. Contains 1 PH domain.
翻訳後修飾	Serine phosphorylation of IRS1 is a mechanism for insulin resistance. Ser-312 phosphorylation inhibits insulin action through disruption of IRS1 interaction with the insulin receptor. Phosphorylation of Tyr-896 is required for GRB2-binding.

画像



All lanes : Anti-IRS1 antibody (ab245314) at 0.04 µg/ml

Lane 1 : HeLa (human epithelial cell line from cervix

adenocarcinoma) whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : HEK-293T (human epithelial cell line from embryonic

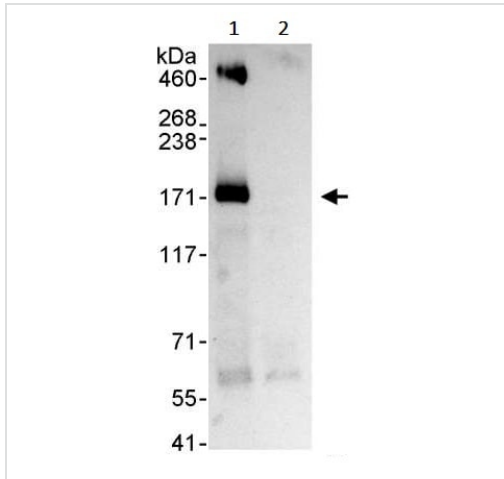
kidney transformed with large T antigen) whole cell lysate at 50 µg

Lane 5 : NIH/3T3 (mouse embryo fibroblast cell line) whole cell

lysate at 50 µg

Predicted band size: 132 kDa

Exposure time: 10 seconds



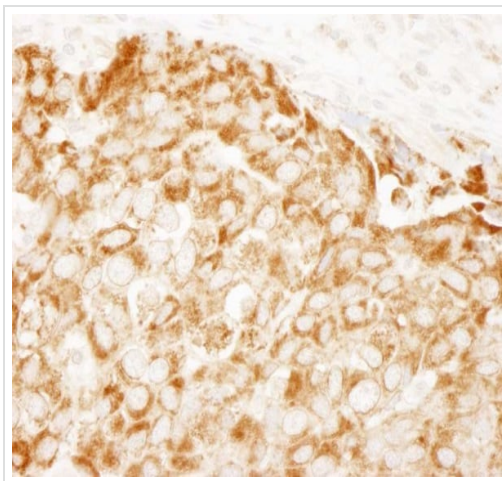
Immunoprecipitation - Anti-IRS1 antibody (ab245314)

IRS1 was immunoprecipitated from HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate (1 mg for IP, 20% of IP loaded) with ab245314 at 3 µg/mg lysate. Western blot was performed from the immunoprecipitate using ab245314 at 1 µg/ml.

Lane 1: ab245314 IP in HeLa whole cell lysate.

Lane 2: Control IgG IP in HeLa whole cell lysate.

Detection: Chemiluminescence with exposure time of 10 seconds.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRS1 antibody (ab245314)

Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for IRS1 using ab245314 at 1/1000 dilution in immunohistochemical analysis. Detection: DAB staining.

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