




Product datasheet

Anti-IRS1 antibody ab5604

製品の概要

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| 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: WB |
| 種交差性 | 交差種: Mouse 交差が予測される動物種: Rat, Chicken, Human, Xenopus laevis, African green monkey  |
| 免疫原 | Synthetic peptide corresponding to Human IRS1 aa 631-646. Sequence: DYMPMSPKSVSAPQQI (Peptide available as ab41777)  Run BLAST with  Run BLAST with |
| ポジティブ・コントロール | By Western blot, this antibody detects a ~170 kDa protein representing IRS1 from 3T3 L1 cell extract. |

製品の特性

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| 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 or -80°C. Avoid freeze / thaw cycle. |
| バッファー | Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS |
| 精製度 | Immunogen affinity purified |
| 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

Our [Abpromise guarantee](#) covers the use of **ab5604** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WB | | Use a concentration of 2 µg/ml. Detects a band of approximately 170 kDa (predicted molecular weight: 149 kDa). Can be blocked with Human IRS1 peptide (ab41777) . |

ターゲット情報

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| 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. |

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