

## Rabbit anti-Human GRB14 Polyclonal Antibody | anti-GRB14 antibody

GRB14 Antibody (N-Term)

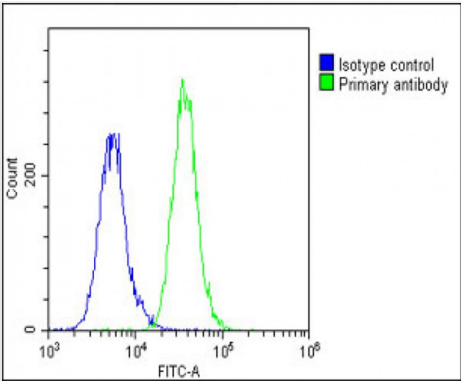
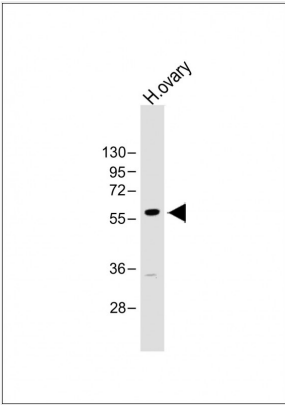
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA290928 | Rabbit | Human      | ELISA, Western Blot, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

GRB14; Polyclonal Antibody; GRB14 Antibody (N-Term); Growth factor receptor-bound protein 14; GRB14 adapter protein; anti-GRB14 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                           |
| Reactivity                                      | Human                                                                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                                                       |
| Isotype                                         | Ig                                                                                                                                                               |
| Specificity                                     | This GRB14 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 14-48 amino acids from the human region of human GRB14. |
| Purity/Purification                             | Purified through a protein A column, followed by peptide affinity purification.                                                                                  |
| Form/Format                                     | Supplied in PBS with 0.09% (W/V) sodium azide.                                                                                                                   |
| Sequence Length                                 | 540                                                                                                                                                              |
| Applicable Applications for anti-GRB14 antibody | ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry)                                                                                                              |
| Antigen Type                                    | Synthesized Peptide                                                                                                                                              |
| Antigen Source                                  | Human                                                                                                                                                            |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.            |



**WB (Western Blot)**

Dilution: WB - 1:1000Overlay histogram showing A549 cells stained with AP22374a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22374a, 1:25 dilution) for 60 min at 37 degree C. The secondary antibody used was Goat-Anti-Rabbit IgG,DyLight 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 degree C. Isotype control antibody (blue line) was rabbit IgG1 (1μg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

**FCM/FACS (Flow Cytometry)**

Dilution: FC - 1:25Overlay histogram showing A549 cells stained with AP22374a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22374a, 1:25 dilution) for 60 min at 37 degree C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 degree C. Isotype control antibody (blue line) was rabbit IgG1 (1μg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GRB14 antibody | Adapter protein which modulates coupling of cell surface receptor kinases with specific signaling pathways. Binds to, and suppresses signals from, the activated insulin receptor (INSR). Potent inhibitor of insulin-stimulated MAPK3 phosphorylation. Plays a critical role regulating PDPK1 membrane translocation in response to insulin stimulation and serves as an adapter protein to recruit PDPK1 to activated insulin receptor, thus promoting PKB/AKT1 phosphorylation and transduction of the insulin signal. |
| Product Categories/Family for anti-GRB14 antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                          | Daly R.J.,et al.J. Biol. Chem. 271:12502-12510(1996). Ota T.,et al.Nat. Genet. 36:40-45(2004). Hillier L.W.,et al.Nature 434:724-731(2005). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Bereziat V.,et al.J. Biol. Chem. 277:4845-4852(2002).                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 71979663                                          |
| NCBI GeneID                      | 2888                                              |
| NCBI Accession #                 | NP_004481.2                                       |
| NCBI GenBank Nucleotide #        | NM_004490.2                                       |
| UniProt Accession #              | Q14449                                            |
| Molecular Weight                 | 60988 Da                                          |
| NCBI Official Full Name          | growth factor receptor-bound protein 14 isoform 1 |
| NCBI Official Synonym Full Names | growth factor receptor bound protein 14           |
| NCBI Official Symbol             | GRB14                                             |
| NCBI Protein Information         | growth factor receptor-bound protein 14           |
| UniProt Protein Name             | Growth factor receptor-bound protein 14           |
| UniProt Gene Name                | GRB14                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grb14-antibody-western-blot-flow-cytometry-elisa/290928>