

# Mouse GRB2-associated-binding protein 2 (GAB2) ELISA Kit



Catalog No: #EK11589

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Package Size: #EK11589-1 48T #EK11589-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse GRB2-associated-binding protein 2 (GAB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	KIAA0571; Grb2-associated binder 2 growth factor receptor bound protein 2-associated protein 2
Accession No.	Q9Z1S8
Uniprot	Q9Z1S8
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:7.81-500 pg/mL

Sensitivity:3.3 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate GAB2 in samples. An antibody specific for GAB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyGAB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GAB2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GAB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**GAB2 is a member of the GRB2-associated binding protein (GAB) gene family. These proteins contain pleckstrin homology (PH) domain, and bind SHP2 tyrosine phosphatase and GRB2 adapter protein. They act as adapters for transmitting various signals in response to stimuli through cytokine and growth factor receptors, and T- and B-cell antigen receptors. The protein encoded by this gene is the principal activator of phosphatidylinositol-3 kinase in response to activation of the high affinity IgE receptor. Two alternatively spliced transcripts encoding different isoforms have been described for this gene. In contrast to the reciprocal effects of GAB1 and GAB2 in mediating ELK1 induction, these 2 molecules have a similar function in extracellular signal-regulated kinase activation induced by either oncogenic Ras or growth factor stimulation.

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Note: This product is for in vitro research use only