Human GTP-binding protein Di-Ras3 (DIRAS3) ELISA Kit

Catalog No: #EK10681

Package Size: #EK10681-1 48T #EK10681-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human GTP-binding protein Di-Ras3 (DIRAS3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ARHI; NOEY2; OTTHUMP00000011138|ras homolog gene family; member I
Accession No.	O95661
Uniprot	O95661
GeneID	9077;
Storage	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. 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).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate DIRAS3 in samples. An antibody specific for DIRAS3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDIRAS3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DIRAS3 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 DIRAS3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:ARHI contains a highly conserved GTP-binding domain, a putative effector domain distinct from that of RAS and RAP proteins, and a C-terminal membrane localization motif. Northern blot analysis detected a 1.9-kb ARHI transcript in all normal breast and ovarian epithelial cell cultures tested, as well as in normal ovary, heart, liver, pancreas, and brain. Expression was absent in nearly all breast and ovarian cancer cell lines and all primary ovarian cancer cell lines tested. Western blot analysis detected a 26-kD ARHI protein in all normal breast and ovarian cell lines but not in any breast and ovarian cancer cell lines tested. Expression of ARHI in breast and ovarian cancer cell lines but not in lung cancer cell lines led to growth inhibition. Stimulation of normal cell lines with growth factors led to decreased expression of ARHI as well as the cell growth inhibition-associated protein WAF1.

Note: This product is for in vitro research use only