

Human Actin, gamma-enteric smooth muscle (ACTG2) ELISA Kit

Catalog No: #EK7678

Orders: order@signalwayantibody.com

Package Size: #EK7678-1 48T #EK7678-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Actin, gamma-enteric smooth muscle (ACTG2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ACT; ACTA3; ACTE; ACTL3; ACTSG; OTTHUMP00000202509 actin; gamma 2 actin-like protein alpha-actin 3 smooth muscle gamma actin
Accession No.	P63267
Uniprot	P63267
GeneID	72;
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:0.156-10 ng/mL

Sensitivity:0.053 ng/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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ACTG2 in samples. An antibody specific for ACTG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyACTG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACTG2 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 ACTG2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Actin, gamma-enteric smooth muscle is a protein encoded by the ACTG2 gene.Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified.

The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 2, encoded by this gene, is a smooth muscle actin found in enteric tissues.

Note: This product is for in vitro research use only