Human HIC5/TGFB1I1 Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5626T
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human HIC5 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human HIC5 Val184-Gly288 Accession # O43294
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

HIC5 (Hydrogen peroxide inducible clone 5; also ARA55) is a 50-55 kDa group III member of the LIM domain family of proteins. It is expressed primarily in smooth muscle, platelets and myoepithelium. It resides in both cytoplasm and nucleus, and performs multiple functions. It associates with focal adhesions, binds to the nuclear matrix, and serves as a coactivator for the glucocorticoid and androgen receptors. Human HIC5 is 461 amino acids (aa) in length. It contains four Leu:Asp-rich motifs (aa 1-215) and four LIM domains (aa 226-461). LIM domains, either individually, or in combination, perform the majority of functions. LIM4 binds to the nuclear matrix, LIMs 3 and 4 are coactivators, and LIMs 2 and 3 bind to focal adhesions. HIC5 is induced by TGFβ and by hydrogen peroxide.

PRODUCT SPECIFIC NOTICES

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