Human TRPS1 Alexa Fluor® 750-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4838S
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRPS1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human TRPS1 Met1-Phe222 Accession # Q9UHF7
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.

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

TRPS1 (also GC79) is a 160-175 kDa (predicted 140 kDa) member of the zinc finger family of transcription factors. It is ubiquitously expressed and serves to repress the expression of GATA-regulated genes. Human TRPS1 is 1281 amino acids (aa) in length. It contains nine divergent zinc-finger motifs (aa 222-1267), the seventh of which is associated with a GATA-binding sequence (aa 896-920) and is flanked by two NLSs (aa 886-891 and 946-952). Two SUMOylation sites exist (Lys1192 and Lys1201) and when utilized, they each add 40 kDa to the native MW. One alternative splice form shows premature truncation after Lys853. A second shows an alternate start site 13 aa upstream of the standard start site. Over aa 1-222, human TRPS1 shares 95% and 89% aa identity with canine and mouse TRPS1, respectively.

PRODUCT SPECIFIC NOTICES

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