

Human TRPS1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4838

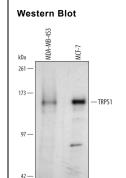
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human TRPS1 in Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human TRPS1 Met1-Phe222 Accession # Q9UHF7	
Formulation	on Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.	

APPLICATIONS

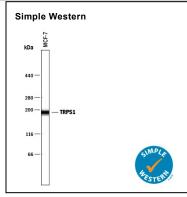
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below
Simple Western	10 μg/mL	See Below





Detection of Human TRPS1 by Western Blot. Western blot shows lysates of MDA-MB-453 human breast cancer cell line and MCF-7 human breast cancer cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human TRPS1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4838) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for TRPS1 at approximately 165 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.



Detection of Human TRPS1 by Simple WesternTM. Simple Western lane view shows lysates of MCF-7 human breast cancer cell line, loaded at 0.2 mg/mL. A specific band was detected for TRPS1 at approximately 191 kDa (as indicated) using 10 µg/mL of Goat Anti-Human TRPS1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-4838) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF-109). This experiment was conducted under reducing conditions and using the 66-440 kDa separation system.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

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