10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-Thyroid hormone receptor interactor 10 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1468

Specification

KD-Validated Anti-Thyroid hormone receptor interactor 10 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	Q15642
Reactivity	**Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 68 kDa, observed, 75 kDa KDa**
Gene Name	**TRIP10**
Aliases	**TRIP10; Thyroid Hormone Receptor Interactor 10; HSTP; CIP4; STP; STOT; Thyroid Receptor-Interacting Protein 10; Cdc42-Interacting Protein 4; TR-Interacting Protein 10; Salt Tolerant Protein; Salt Tolerator; Protein Felic; TRIP-10; Cdc42-Interacting Protein**
Immunogen	**A synthesized peptide derived from human Cip4**

KD-Validated Anti-Thyroid hormone receptor interactor 10 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**9322**

Other Names
Cdc42-interacting protein 4, Protein Felic, Salt tolerant protein, hSTP, Thyroid receptor-interacting protein 10, TR-interacting protein 10, TRIP-10, TRIP10, CIP4, STOT, STP

KD-Validated Anti-Thyroid hormone receptor interactor 10 Rabbit Monoclonal Antibody - Protein Information

Name TRIP10

Synonyms CIP4, STOT, STP

Function
Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling (By similarity). Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5- bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N-WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Required for the formation of podosomes, actin-rich adhesion structures specific to monocyte- derived cells. May be required for the lysosomal retention of FASLG/FASL.

Cellular Location
Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Lysosome. Golgi apparatus. Cell membrane. Cell projection, phagocytic cup. Note=Translocates to the plasma membrane in response to insulin stimulation, and this may require active RHOQ (By similarity) Localizes to cortical regions coincident with F-actin, to lysosomes and to sites of phagocytosis in macrophages. Also localizes to the Golgi, and this requires AKAP9.

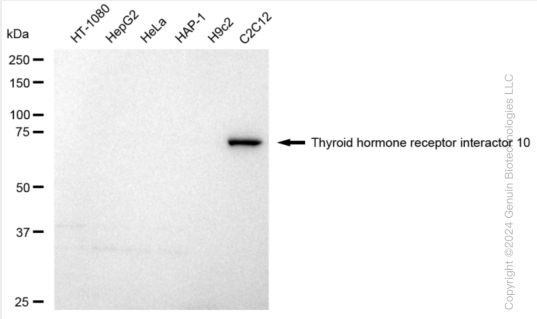
Tissue Location
Expressed in brain, colon, heart, kidney, liver, lung, megakaryocyte, ovary, pancreas, peripheral blood lymphocytes, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus and trachea.

KD-Validated Anti-Thyroid hormone receptor interactor 10 Rabbit Monoclonal Antibody - Protocols

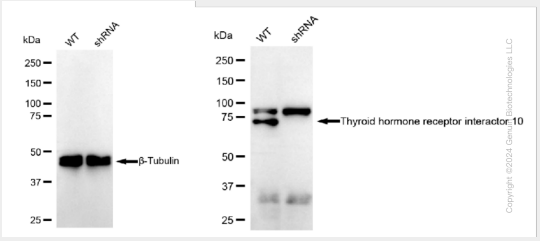
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Thyroid hormone receptor interactor 10 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Thyroid hormone receptor interactor 10 antibody (Cat#AGI1468). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Thyroid hormone receptor interactor 10 antibody (Cat#AGI1468, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Thyroid hormone receptor interactor 10 antibody (Cat#AGI1468). Thyroid hormone receptor interactor 10 expression in wild type (WT) and Thyroid

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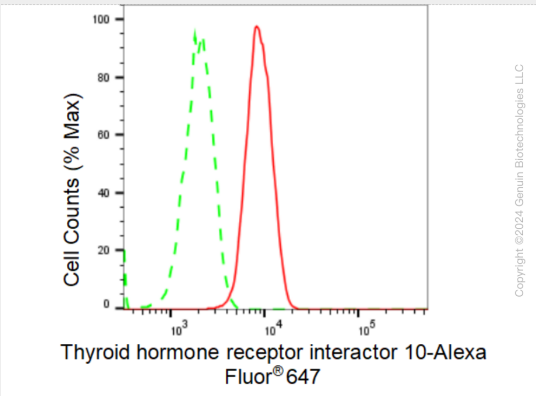
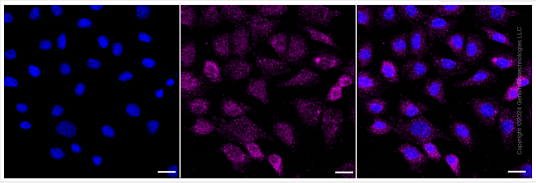
hormone receptor interactor 10 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Thyroid hormone receptor interactor 10 antibody (Cat#AGI1468, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Thyroid hormone receptor interactor 10 expression in C2C12 cells using Thyroid hormone receptor interactor 10 antibody (Cat#AGI1468, 1:2,000). Green, isotype control; red, Thyroid hormone receptor interactor 10.



Immunocytochemical staining of C2C12 cells with Thyroid hormone receptor interactor 10 antibody (Cat#AGI1468, 1:1,000). Nuclei were stained blue with DAPI; Thyroid hormone receptor interactor 10 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.