

Datasheet for ABIN3044556  
**anti-TRIO antibody (C-Term)**



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1 Image

## Overview

Quantity:	100 µg
Target:	TRIO
Binding Specificity:	AA 787-830, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRIO antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Triple functional domain protein(TRIO) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human TRIO (787-830aa QLRIFERDAIDIISDLESWNDELSQQMNDFDTELTIAEQRLQH), identical to the related mouse and rat sequences.
Sequence:	QLRIFERDAI DIISDLESWN DELSQQMNDF DTELTIAEQ RLQH
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Triple functional domain protein(TRIO) detection. Tested with WB in Human,Mouse,Rat.  Gene Name: trio Rho guanine nucleotide exchange factor

## Product Details

	Protein Name: Triple functional domain protein
Purification:	Immunogen affinity purified.

## Target Details

Target:	TRIO
Alternative Name:	TRIO ( <a href="#">TRIO Products</a> )
Background:	<p>Triple functional domain protein is a protein that in humans is encoded by the TRIO gene. This gene encodes a large protein that functions as a GDP to GTP exchange factor. This protein promotes the reorganization of the actin cytoskeleton, thereby playing a role in cell migration and growth. Additionally, the TRIO protein contains 3 functional domains: a serine/threonine kinase domain and 2 guanine nucleotide exchange factor (GEF) domains for the family of Rho-like GTPases, specific for Rac1 and RhoA, respectively. These domains suggest that this enzyme may play a key role in several signaling pathways that control cell proliferation.</p> <p>Synonyms: ARHGEF23 antibody PTPRF-interacting protein antibody tgat antibody trio antibody TRIO_HUMAN antibody Triple functional domain protein antibody</p>
Gene ID:	7204
UniProt:	<a href="#">O75962</a>

## Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat</p> <p>Notes: Tested Species: Species with positive results.</p> <p>Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

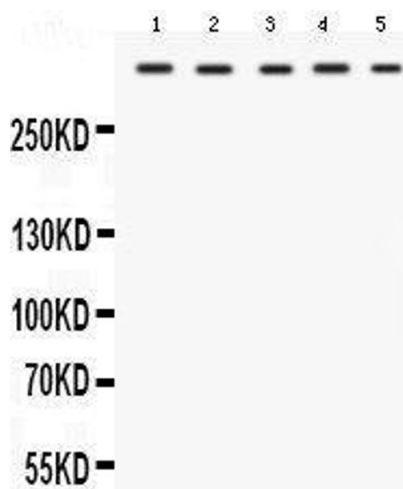
## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



**Western Blotting**

**Image 1.** Western blot analysis of TRIO expression in rat cardiac muscle extract (lane 1), rat skeletal muscle extract (lane 2), mouse cardiac muscle extract (lane 3), mouse skeletal muscle extract (lane 4) and HELA whole cell lysates (lane 5). TRIO at 347KD was detected using rabbit anti-TRIO Antigen Affinity purified polyclonal antibody at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method