Recombinant TRIAD1 Monoclonal Antibody

catalog number: **AN302043L**

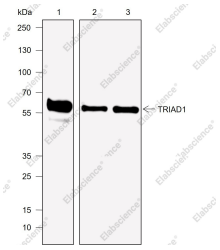
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Peptide. This information is proprietary to PTMab
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331664
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000

Data



Western Blot with TRIAD1 Monoclonal Antibody at dilution of 1:1000. Lane 1: Jurkat, Lane 2: 293T, Lane 3: Ramos

Observed-MW:58 kDa

Calculated-MW:58 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

The E3 ubiquitin-protein ligase ARIH2 (TRIAD1) is an Ariadne subfamily ligase involved in the polyubiquitination of proteins designated for proteasomal degradation. The TRIAD1 nuclear protein contains an amino-terminal acidic region, a pair of RING fingers, two carboxyl terminal coiled coil domains and a novel C6HC DRIL/IBR domain located between the RING fingers. Together, the paired RING fingers and DRIL/IBR domain form a highly conserved TRIAD (two RING fingers and DRIL) domain. Research studies suggest that TRIAD1 mediates both Lys48 and Lys63 protein polyubiquitination and acts as a negative regulator of myelopoiesis. TRIAD1 ubiquitin ligase inhibits myeloid cell proliferation by mediating protein ubiquitination through the ubiquitin-conjugating enzymes UbcH7 and UbcH13. Experimental deletion of TRIAD1 in mice has a lethal effect, leading to death at the embryonic stage or later due to a severe, multi-organ inflammatory response. Results indicate that TRIAD1 binds IκBβ in dendritic cells and promotes the degradation of the NF-κB inhibitor.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com