

KD-Validated Anti-Purified ARIH2 Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI2017**Specification****KD-Validated Anti-Purified ARIH2 Mouse Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	O95376
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	Predicted, 58 kDa, observed, 58 kDa kDa
Gene Name	ARIH2
Aliases	ARIH2; Ariadne RBR E3 Ubiquitin Protein Ligase 2; TRIAD1; All-Trans Retinoic Acid Inducible RING Finger; RING-Type E3 Ubiquitin Transferase ARIH2; E3 Ubiquitin-Protein Ligase ARIH2; Protein Ariadne-2 Homolog; ARI2; Ariadne (Drosophila) Homolog 2; Ariadne Homolog 2 (Drosophila); Ariadne Homolog 2; Triad1 Protein; EC 2.3.2.31; ARI-2
Immunogen	Recombinant protein of human ARIH2

KD-Validated Anti-Purified ARIH2 Mouse Monoclonal Antibody - Additional Information

Gene ID	10425
Other Names	E3 ubiquitin-protein ligase ARIH2, ARI-2, Protein ariadne-2 homolog, 2.3.2.31, Triad1 protein, ARIH2 {ECO:0000303 PubMed:31253590, ECO:0000312 HGNC:HGNC:690}

KD-Validated Anti-Purified ARIH2 Mouse Monoclonal Antibody - Protein Information

Name ARIH2 {ECO:0000303|PubMed:31253590, ECO:0000312|HGNC:HGNC:690}

Function

E3 ubiquitin-protein ligase, which catalyzes ubiquitination of target proteins together with ubiquitin-conjugating enzyme E2 UBE2L3 (PubMed: 16118314, PubMed: 17646546, PubMed: 19340006, PubMed: 24076655, PubMed: 33268465, PubMed: 34518685, PubMed: 38418882). Acts as an atypical E3 ubiquitin-protein ligase by working together with cullin-5-RING ubiquitin ligase complex (ECS complex, also named CRL5 complex) and initiating ubiquitination of ECS substrates: associates with ECS complex and specifically mediates addition of the first ubiquitin on ECS

targets (PubMed:33268465, PubMed:34518685, PubMed:38418882). The initial ubiquitin is then elongated (PubMed:33268465). E3 ubiquitin-protein ligase activity is activated upon binding to neddylated form of the cullin-5 (CUL5) component of the ECS complex (PubMed:24076655). Together with the ECS(ASB9) complex, catalyzes ubiquitination of CKB (PubMed:33268465). Promotes ubiquitination of DCUN1D1 (PubMed:30587576). Mediates 'Lys-6', 'Lys-48'- and 'Lys-63'-linked polyubiquitination (PubMed:16118314, PubMed:17646546, PubMed:19340006). May play a role in myelopoiesis (PubMed:19340006).

Cellular Location

Nucleus. Cytoplasm

Tissue Location

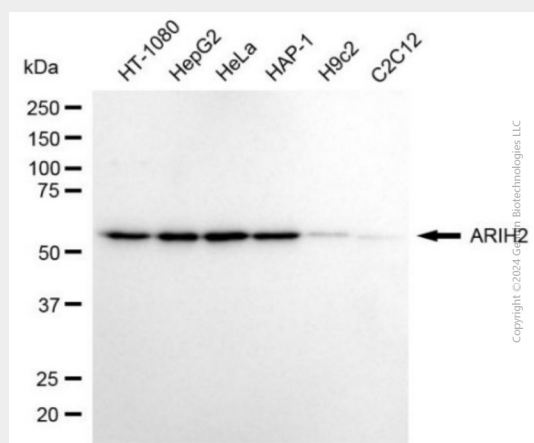
Widely expressed with higher expression in granulocytes.

KD-Validated Anti-Purified ARIH2 Mouse Monoclonal Antibody - Protocols

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

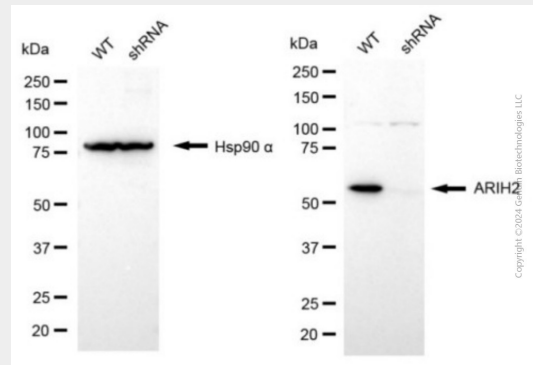
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-Purified ARIH2 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-ARIH2 antibody (Cat#AGI2017). Total cell lysates (30 µg)

from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ARIH2 antibody (Cat#AGI2017, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-ARIH2 antibody (Cat#AGI2017). ARIH2 expression in wild type (WT) and ARIH2 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ARIH2 antibody (Cat#AGI2017, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.