

ARIH1 Polyclonal Antibody

Catalog Number **PA1-31804**

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Mouse
Host/Isotope	Goat / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	0.2-1 µg/mL
Immunogen	Peptide with sequence HEGYEKDLWEYIED, from C Terminus of the protein sequence according to NP_005735.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

PA1-31804 detects ARIH1 from human samples. PA1-31804 has been successfully used in Western blot applications. The PA1-31804 immunogen is: Peptide with sequence HEGYEKDLWEYIED, from C Terminus of the protein sequence according to NP_005735.

Background/Target Information

E3 ubiquitin-protein ligase, which catalyzes ubiquitination of target proteins together with ubiquitin-conjugating enzyme E2 UBE2L3 (PubMed:15236971, PubMed:21532592, PubMed:24076655, PubMed:27565346, PubMed:23707686). Acts as an atypical E3 ubiquitin-protein ligase by working together with cullin-RING ubiquitin ligase (CRL) complexes and initiating ubiquitination of CRL substrates: associates with CRL complexes and specifically mediates addition of the first ubiquitin on CRLs targets (PubMed:27565346). The initial ubiquitin is then elongated by CDC34/UBE2R1 and UBE2R2 (PubMed:27565346). E3 ubiquitin-protein ligase activity is activated upon binding to neddylated cullin-RING ubiquitin ligase complexes (PubMed:24076655, PubMed:27565346). Plays a role in protein translation in response to DNA damage by mediating ubiquitination of EIF4E2, the consequences of EIF4E2 ubiquitination are however unclear (PubMed:25624349). According to a report, EIF4E2 ubiquitination leads to promote EIF4E2 cap-binding and protein translation arrest (PubMed:25624349). According to another report EIF4E2 ubiquitination leads to its subsequent degradation (PubMed:14623119). Acts as the ligase involved in ISGylation of EIF4E2 (PubMed:17289916). In vitro, controls the degradation of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex member SUN2 and may therefore have a role in the formation and localization of the LINC complex, and as a consequence, nuclear subcellular localization and nuclear morphology (PubMed:29689197). [UniProt]

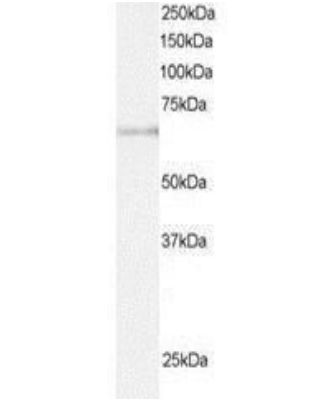
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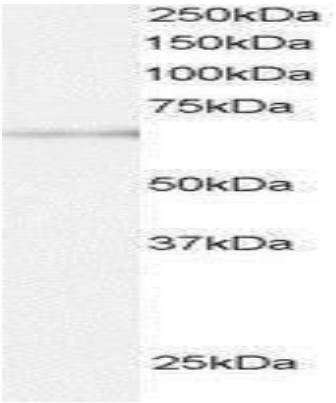
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Product Images For ARIH1 Polyclonal Antibody



ARIH1 Antibody (PA1-31804) in WB
Western blot analysis of ARIH1 in U937 lysate (RIPA buffer, 30g total protein per lane) using an ARIH1 polyclonal antibody (Product # PA1-31804) at a dilution of 0.5g/ml following incubation for 1 hour and detected using chemiluminescence.



ARIH1 Antibody (PA1-31804) in WB
Western blot analysis of ARIH1 using an ARIH1 polyclonal antibody (Product # PA1-31804).

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