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

Goat Anti-ARIH1 / HHARI Antibody
Peptide-affinity purified goat antibody
Catalog # AF1100a

Specification

Goat Anti-ARIH1 / HHARI Antibody - Product Information

Application	**WB, E**
Primary Accession	Q9Y4X5
Other Accession	NP_005735, 25820, 23806 (mouse)
Reactivity	**Human**
Predicted	**Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**64118**

Goat Anti-ARIH1 / HHARI Antibody - Additional Information

Gene ID 25820

Other Names
E3 ubiquitin-protein ligase ARIH1, 6.3.2.-, H7-AP2, HHARI, Monocyte protein 6, MOP-6, Protein ariadne-1 homolog, ARI-1, UbcH7-binding protein, UbcM4-interacting protein, Ubiquitin-conjugating enzyme E2-binding protein 1, ARIH1, ARI, MOP6, UBCH7BP

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-ARIH1 / HHARI Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ARIH1 / HHARI Antibody - Protein Information

Name ARIH1 (HGNC:689)

Function

E3 ubiquitin-protein ligase, which catalyzes ubiquitination of target proteins together with ubiquitin-conjugating enzyme E2 UBE2L3 (PubMed:15236971, PubMed:21532592, PubMed:23707686, PubMed:24076655, PubMed:27565346). 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).

Cellular Location
Cytoplasm. Nucleus. Nucleus, Cajal body. Note=Mainly cytoplasmic (PubMed:11278816). Present in Lewy body (PubMed:21590270)

Tissue Location
Widely expressed..

Goat Anti-ARIH1 / HHARI 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

Goat Anti-ARIH1 / HHARI Antibody - Images

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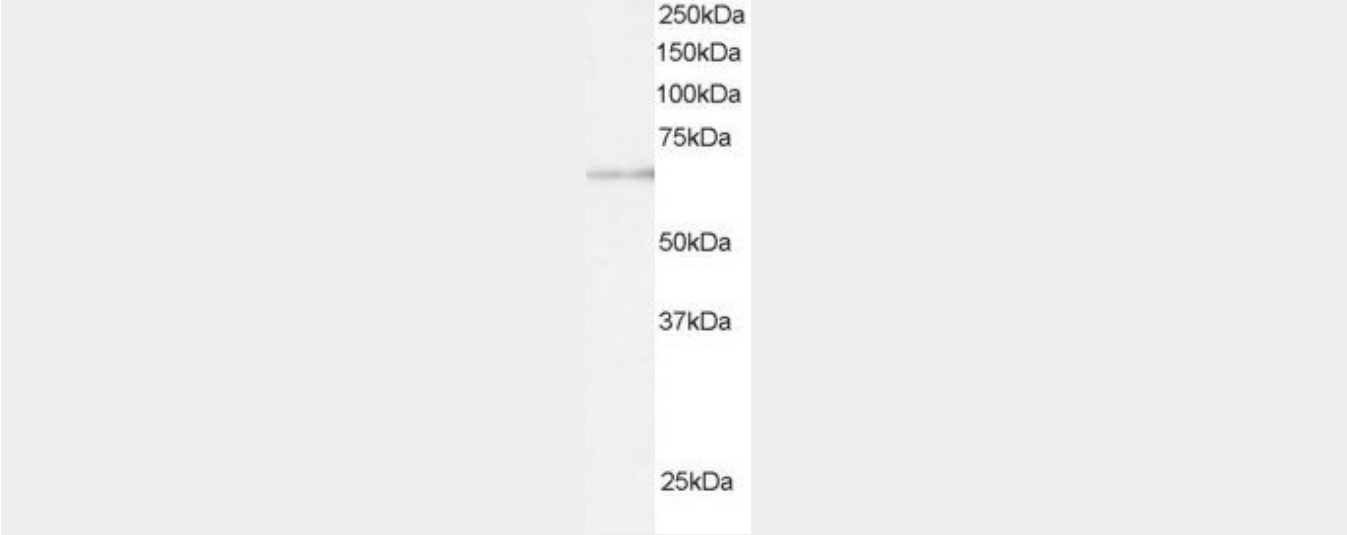

AF1100a staining (0.5 µg/ml) of U937 lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-ARIH1 / HHARI Antibody - References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.
The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.
Structure of the C-terminal RING finger from a RING-IBR-RING/TRIAD motif reveals a novel zinc-binding domain distinct from a RING. Capili AD, et al. J Mol Biol, 2004 Jul 23. PMID 15236971.
Human homologue of ariadne promotes the ubiquitylation of translation initiation factor 4E homologous protein, 4EHP. Tan NG, et al. FEBS Lett, 2003 Nov 20. PMID 14623119.
Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.