

ARG44842 anti-HERC4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes HERC4
Tested Reactivity	Hu, Rat
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	HERC4
Species	Human
Epitope	IVLEPRKSD FINKRVRDVG CGLRHTVFVL DDGTVYTCGC NDLGQLGHEK SRKKPEQVVA LDAQNIVAVS CGEAHTLALN DKGQVYAWGL DSDGQLGLVG SEECIRVPRN IKSLSDIQIV QVACGYHSL ALSKASEVFC WGQNKYGQLG LGTDCKKQTS PQLKSLGI PFMQVAAGGA HSFVLTLSGA IFGWGRNKFG QLGLNDENDR YVPNLKSLR SQKIVYICCG EDHTAALTKE
Conjugation	Un-conjugated
Alternate Names	HERC4; HECT And RLD Domain Containing E3 Ubiquitin Protein Ligase 4; KIAA1593; HECT Domain And RCC1-Like Domain-Containing Protein 4; Probable E3 Ubiquitin-Protein Ligase HERC4; HECT-Type E3 Ubiquitin Transferase HERC4; Hect Domain And RLD 4; DKFZP564G092; EC 2.3.2.26; EC 6.3.2

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

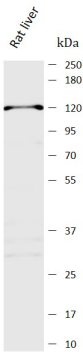
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HERC4
Gene Full Name	HECT And RLD Domain Containing E3 Ubiquitin Protein Ligase 4
Background	HERC4 belongs to the HERC family of ubiquitin ligases, all of which contain a HECT domain and at least 1 RCC1 (MIM 179710)-like domain (RLD). The 350-amino acid HECT domain is predicted to catalyze the formation of a thioester with ubiquitin before transferring it to a substrate, and the RLD is predicted to act as a guanine nucleotide exchange factor for small G proteins (Hochrainer et al., 2005 [PubMed 15676274]).[supplied by OMIM, Mar 2008]
Function	Probable E3 ubiquitin-protein ligase involved in either protein trafficking or in the distribution of cellular structures. Required for spermatozoon maturation and fertility, and for the removal of the cytoplasmic droplet of the spermatozoon. E3 ubiquitin-protein ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer it to targeted substrates. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG44842 anti-HERC4 antibody WB image

Western blot: Rat liver stained with ARG44842 anti-HERC4 antibody at 1 µg/mL dilution.