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

KD-Validated Anti-CCDC93 Mouse Monoclonal Antibody

Mouse monoclonal antibody
Catalog # AGI2015

Specification

KD-Validated Anti-CCDC93 Mouse Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	Q567U6
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Mouse IgG1**
Calculated MW	**Predicted, 73 kDa, observed, 73 kDa KDa**
Gene Name	**CCDC93**
Aliases	**CCDC93; Coiled-Coil Domain Containing 93; Coiled-Coil Domain-Containing Protein 93; FLJ10996**
Immunogen	**Recombinant protein of human CCDC93**

KD-Validated Anti-CCDC93 Mouse Monoclonal Antibody - Additional Information

Gene ID **54520**

Other Names
Coiled-coil domain-containing protein 93, CCDC93

KD-Validated Anti-CCDC93 Mouse Monoclonal Antibody - Protein Information

Name CCDC93

Function
Component of the commander complex that is essential for endosomal recycling of transmembrane cargos; the commander complex is composed of composed of the CCC subcomplex and the retriever subcomplex (PubMed:37172566, PubMed:38459129). Component of the CCC complex, which is involved in the regulation of endosomal recycling of surface proteins, including integrins, signaling receptor and channels (PubMed:37172566, PubMed:38459129). The CCC complex associates with SNX17, retriever and WASH complexes to prevent lysosomal degradation and promote cell surface recycling of numerous cargos such as integrins ITGA5:ITGB1 (PubMed:25355947, PubMed:28892079). Involved in copper- dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery; the function is proposed to depend on its association within the CCC complex and cooperation with the WASH complex on early endosomes and is dependent on its interaction with WASHC2C (PubMed:25355947).

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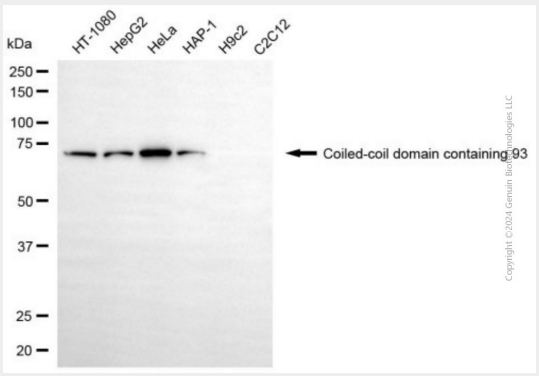
Cellular Location
Early endosome.

KD-Validated Anti-CCDC93 Mouse Monoclonal Antibody - Protocols

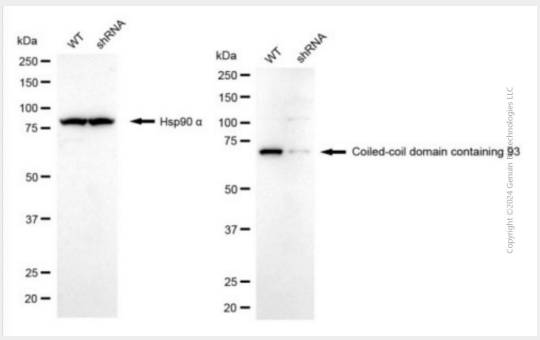
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-CCDC93 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-coiled-coil domain containing 93 antibody (Cat#AGI2015). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-coiled-coil domain containing 93 antibody (Cat#AGI2015, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-coiled-coil domain containing 93 antibody (Cat#AGI2015). Coiled-coil domain containing 93 expression in wild type (WT) and coiled-coil domain containing 93 (CCDC93) 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-coiled-coil domain containing 93 antibody (Cat#AGI2015, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.

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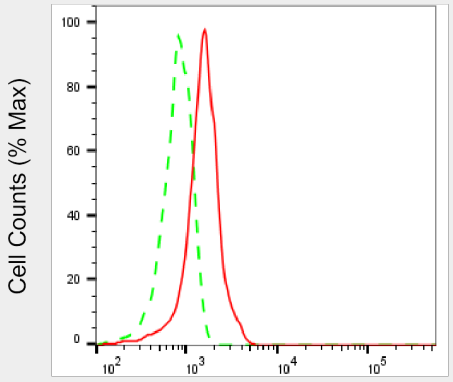

Coiled-coil domain containing 93-Alexa Fluor® 647

Flow cytometric analysis of Coiled-coil domain containing 93 expression in HeLa cells using anti-Coiled-coil domain containing 93 antibody (Cat#AGI2015, 1:1,000). Green, isotype control; red, Coiled-coil domain containing 93.