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FCHO1 Rabbit pAb

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Catalog # AP55073

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O14526
Predicted	Rat, Pig, Dog, Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	96861
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FCHO1
Epitope Specificity	651-750/889
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane, clathrin-coated pit; Peripheral membrane protein; Cytoplasmic side (Probable). Note=Associated with forming but not mature clathrin-coated vesicles. The recruitment to coated-pits precede the one of clathrin and the adaptor protein complex AP-2. According to PubMed:17617719 it may also dynamically associate with Golgi/TGN membranes.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FCHO1 (FCH domain only 1) is an 889 amino acid protein that contains one FCH domain and exists as multiple alternatively spliced isoforms. The gene encoding FCHO1 maps to human chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family, and Fc receptors (FcRs). Key genes for eye color and hair color also map to chromosome 19.

Additional Information

Gene ID	23149
Other Names	F-BAR domain only protein 1, FCHO1 (HGNC:29002), KIAA0290
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FCHO1 (HGNC:29002)
Synonyms	KIAA0290
Function	Functions in an early step of clathrin-mediated endocytosis (PubMed:30822429). Has both a membrane binding/bending activity and the ability to recruit proteins essential to the formation of functional clathrin-coated pits. May regulate Bmp signaling by regulating clathrin-mediated endocytosis of Bmp receptors. Involved in the regulation of T-cell proliferation and activation (PubMed:30822429, PubMed:32098969). Affects TCR clustering upon receptor triggering and modulates its internalization, playing a role in TCR-dependent T-cell activation (PubMed:32098969).
Cellular Location	Membrane, clathrin-coated pit; Peripheral membrane protein; Cytoplasmic side Note=Associated with forming but not mature clathrin-coated vesicles The recruitment to coated-pits precede the one of clathrin and the adaptor protein complex AP-2. According to PubMed:17617719 it may also dynamically associate with Golgi/TGN membranes
Tissue Location	Predominantly expressed in lymphoid cells.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.