



Rabbit Anti-FCHO1 antibody

SL13152R

Product Name:	FCHO1
Chinese Name:	FCHO1蛋白抗体
Alias:	FCH domain only 1; FCH domain only protein 1; FCHO 1; KIAA0290; FCHO1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	97kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FCHO1:651-750/889
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:

Functions in an early step of clathrin-mediated endocytosis. 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 (By similarity).

Subunit:

May oligomerize and form homotetramer (By similarity). Interacts with AP2A2 and AP2B1; 2 subunits of the adaptor protein complex AP-2. Interacts with DAB2. Interacts with clathrin (CLTC or CLTCL1). Interacts with EPS15, EPS15R and ITSN1. Interacts with AGFG1 and CALM. May interact with ACVR1; linking this receptor to clathrin-mediated endocytosis.

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.

Similarity:

FCHO1 is involved in clathrin-coated vesicle formation.

SWISS:

O14526

Gene ID:

23149

Database links:

[Entrez Gene: 23149](#)Human

[Entrez Gene: 74015](#)Mouse

[Entrez Gene: 290639](#)Rat

[SwissProt: O14526](#)Human

[SwissProt: Q8K285](#)Mouse

[SwissProt: D3ZIM5](#)Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
--	---

www.sunlongbiotech.com