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FCHO1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13755

Product Information

Application	WB, IHC
Primary Accession	O14526
Other Accession	NM_015122, NP_055937
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, Guinea Pig, Bovine
Predicted	Human, Mouse, Pig, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	96861

Additional Information

Gene ID	23149
Alias Symbol	KIAA0290
Other Names	FCH domain only protein 1, FCHO1, KIAA0290
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-FCHO1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	FCHO1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

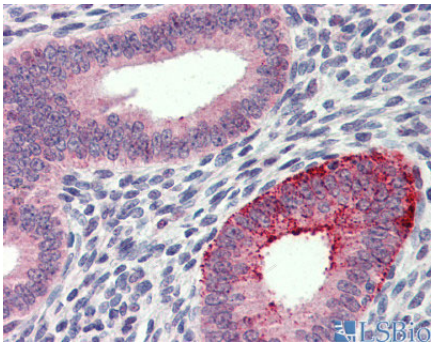
Name	FCHO1 (HGNC:29002)
Synonyms	KIAA0290
Function	Functions in an early step of clathrin-mediated endocytosis (PubMed:30822429). Has both a membrane binding/bending activity and the ability to recruit proteins essential to the formation of functional clathrin-coated pits. May regulate Bmp signaling 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.

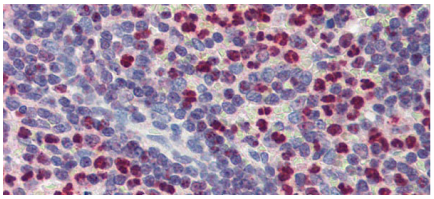
References

Ohara O.,et al.DNA Res. 4:53-59(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Sakaushi S.,et al.Biosci. Biotechnol. Biochem. 71:1764-1768(2007).

Images



Human Uterus



Immunohistochemistry with Human Spleen lysate tissue at an antibody concentration of 5.0µg/ml using anti-FCHO1 antibody (AI13755)



WB Suggested Anti-FCHO1 Antibody Titration: 1 µg/ml
Positive Control: 293T cells lysate

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