

Rabbit anti-Human, Mouse OFD1 Polyclonal Antibody | anti-OFD1 antibody

Anti-OFD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125459	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

OFD1; Polyclonal Antibody; Anti-OFD1 Antibody; Oral-facial-digital syndrome 1 protein; Protein 71-7A; CXorf5; anti-OFD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	1012
Applicable Applications for anti-OFD1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human OFD1 (KDKSAHSENPLEKYMIIQQEQDQESADK).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

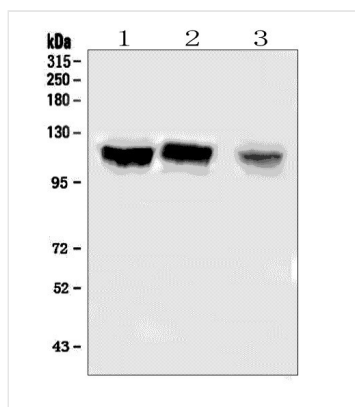
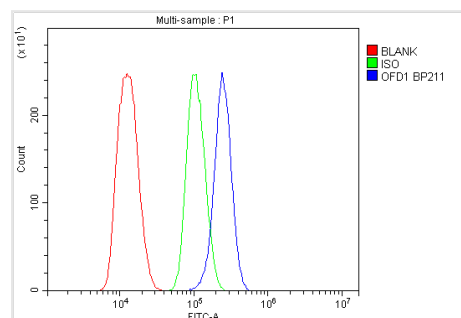

WB (Western Blot)

Figure 1. Western blot analysis of OFD1 using anti-OFD1 antibody.


FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-OFD1 antibody	Description: Rabbit IgG polyclonal antibody for OFD1 detection. Tested with WB, FCM in Human;Mouse. Background: Oral-facial-digital syndrome 1 protein is a protein that in humans is encoded by the OFD1 gene. This gene is mapped to Xp22.2. This gene is located on the X chromosome and encodes a centrosomal protein. A knockout mouse model has been used to study the effect of mutations in this gene. The mouse gene is also located on the X chromosome, however, unlike the human gene it is not subject to X inactivation. Mutations in this gene are associated with oral-facial-digital syndrome type I and Simpson-Golabi-Behmel syndrome type 2. Many pseudogenes have been identified; a single pseudogene is found on chromosome 5 while as many as fifteen have been found on the Y chromosome.
References	1. Coene, K. L. M., Roepman, R., Doherty, D., Afroze, B., Kroes, H. Y., Letteboer, S. J. F., Ngu, L. H., Budny, B., van Wijk, E., Gorden, N. T., Azhimi, M., Thauvin-Robinet, C., Veltman, J. A., Boink, M., Kleefstra, T., Cremers, F. P. M., van Bokhoven, H., de Brouwer, A. P. M. OFD1 is mutated in X-linked Joubert syndrome and interacts with LCA5-encoded lebercilin. Am. J. Hum. Genet. 85: 465-481, 2009. 2. Morisawa, T., Yagi, M., Surono, A., Yokoyama, N., Ohmori, M., Terashi, H., Matsuo, M. Novel double-deletion mutations of the OFD1 gene creating multiple novel transcripts. Hum. Genet. 115: 97-103, 2004. 3. Tang, Z., Lin, M. G., Stowe, T. R., Chen, S., Zhu, M., Stearns, T., Franco, B., Zhong, Q. Autophagy promotes primary ciliogenesis by removing OFD1 from centriolar satellites. Nature 502: 254-257, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503179
NCBI GeneID	8481
NCBI Accession #	NP_003602
NCBI GenBank Nucleotide #	NP_003602.1
UniProt Accession #	O75665
NCBI Official Full Name	oral-facial-digital syndrome 1 protein isoform 1
NCBI Official Synonym Full Names	OFD1 centriole and centriolar satellite protein
NCBI Official Symbol	OFD1
NCBI Official Synonym Symbols	RP23; 71-7A; SGBS2; CXorf5; JBTS10
NCBI Protein Information	oral-facial-digital syndrome 1 protein
UniProt Protein Name	Oral-facial-digital syndrome 1 protein
UniProt Gene Name	OFD1
UniProt Synonym Gene Names	CXorf5
UniProt Entry Name	OFD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.