

Datasheet for ABIN7602739
anti-OFD1 antibody (C-Term)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	OFD1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OFD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-OFD1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human OFD1, which shares 75.9% and 86.2% amino acid (aa) sequence identity with mouse and rat OFD1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-OFD1 Antibody Picoband® (ABIN7602739). Tested in Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are

Product Details

designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: OFD1

Alternative Name: OFD1 ([OFD1 Products](#))

Background: Synonyms: Oral-facial-digital syndrome 1 protein, Protein 71-7A, OFD1, CXorf5
Tissue Specificity: Widely expressed. Expressed in 9 and 14 weeks old embryos in metanephric mesenchyme, oral mucosa, lung, heart, nasal and cranial cartilage, and brain. Expressed in metanephros, brain, tongue, and limb.
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.

Molecular Weight: 117 kDa

Gene ID: 8481

UniProt: [075665](#)

Pathways: [M Phase](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
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.,

Application Details

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.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.