

OFD1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5909c**Specification**

OFD1 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O75665](#)
Other Accession [NP_003602.1](#)

OFD1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 8481

Other Names

Oral-facial-digital syndrome 1 protein, Protein 71-7A, OFD1, CXorf5

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

OFD1 Antibody (Center) Blocking peptide - Protein Information

Name OFD1

Synonyms CXorf5

Function

Component of the centrioles controlling mother and daughter centrioles length. Recruits to the centriole IFT88 and centriole distal appendage-specific proteins including CEP164 (By similarity). Involved in the biogenesis of the cilium, a centriole-associated function. The cilium is a cell surface projection found in many vertebrate cells required to transduce signals important for development and tissue homeostasis (PubMed:33934390). Plays an important role in development by regulating Wnt signaling and the specification of the left-right axis. Only OFD1 localized at the centriolar satellites is removed by autophagy, which is an important step in the ciliogenesis regulation (By similarity).

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, cilium basal body. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite Note=Localizes to centriole distal ends and to centriolar satellites (PubMed:20230748, PubMed:24121310). Localization to centrioles and pericentriolar satellites may be mediated by KIAA0753/OFIP (PubMed:26643951).

Tissue Location

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.

OFD1 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

OFD1 Antibody (Center) Blocking peptide - Images