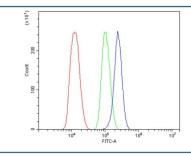


# OFD1 Antibody / Oral-facial-digital syndrome 1 (RQ6062)

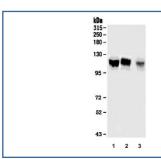
Catalog No.	Formulation	Size
RQ6062	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

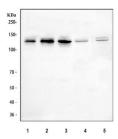
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O75665
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 5ug/ml
Limitations	This OFD1 antibody is available for research use only.



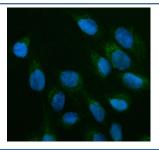
Flow cytometry testing of human ThP1 cells with OFD1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OFD1 antibody.



Western blot testing of 1) human HeLa, 2) human Caco-2 and 3) mouse heart lysate with OFD1 antibody. Predicted molecular weight ~117 kDa.



Western blot testing of 1) human Caco-2, 2) human HeLa, 3) human SH-SY5Y, 4) rat brain and 5) mouse brain tissue lysate with OFD1 antibody. Predicted molecular weight ~117 kDa.



Immunofluorescent staining of FFPE human U-2 OS cells with OFD1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

## **Description**

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.

### **Application Notes**

Optimal dilution of the OFD1 antibody should be determined by the researcher.

#### **Immunogen**

Amino acids KDKSAHSENPLEKYMKIIQQEQDQESADK from the human protein were used as the immunogen for the OFD1 antibody.

#### **Storage**

After reconstitution, the OFD1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.