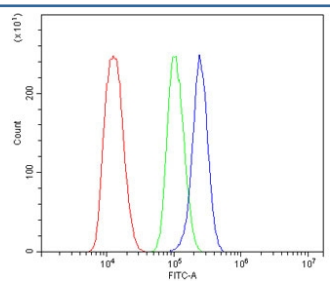
OFD1 Antibody / Oral-facial-digital syndrome 1 (RQ6062)

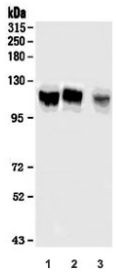
Catalog No.	Formulation	Size
RQ6062	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

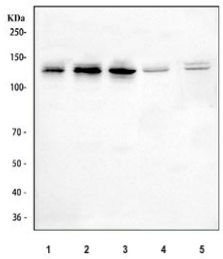
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O75665
Applications	Western blot: 0.5-1ug/ml Flow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



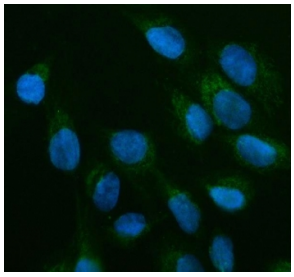
Flow cytometry testing of human ThP1 cells with OFD1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OFD1 antibody.



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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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