

Product datasheet

Anti-OFD1 antibody ab122960

1 Image

Overview

Product name	Anti-OFD1 antibody
Description	Rabbit polyclonal to OFD1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat Predicted to work with: Mouse, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Human
Immunogen	Synthetic peptide corresponding to a region within N-terminal amino acids 2-51 (AQSTMPHKCD DVLSQDELRK KLYQTFKDRG ILDTLKTQLR NQLVHELMHP) of Rat OFD1 (NP_001100431). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Rat liver lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituents: 97% PBS, 2% Sucrose
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab122960** in the following tested applications.

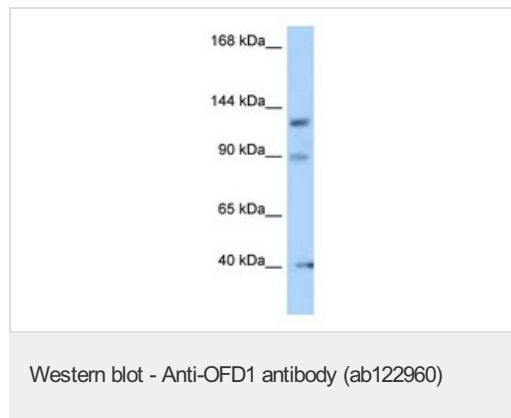
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 118 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	Component of the centrioles controlling mother and daughter centrioles length. Recruits to the centriole IFT88 and centriole distal appendage-specific proteins including CEP164. 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. 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.
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.
Involvement in disease	Orofaciodigital syndrome 1 Simpson-Golabi-Behmel syndrome 2 Joubert syndrome 10 Retinitis pigmentosa 23
Sequence similarities	Belongs to the OFD1 family. Contains 1 LisH domain.
Cellular localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, cilium basal body. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Localizes to centriole distal ends and to centriolar satellites (PubMed:20230748, PubMed:24121310).

Images



Anti-OFD1 antibody (ab122960) at 1 μ g/ml +
Rat liver lysate at 10 μ g

Predicted band size: 118 kDa

Gel concentration: 6-18%

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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