



Anti-OPHN1 polyclonal antibody (DPAB-DC2062)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a Rho-GTPase-activating protein that promotes GTP hydrolysis of Rho subfamily members. Rho proteins are important mediators of intracellular signal transduction, which affects cell migration and cell morphogenesis. Mutations in this gene are responsible for OPHN1-related X-linked mental retardation with cerebellar hypoplasia and distinctive facial dysmorphism.
Immunogen	Recombinant protein corresponding to amino acids of human OPHN1. The sequence is RVTARRHKPITISKRLLRERTVFYTSSLDESEDEIQHQTPNGTITSSIEPPKPPQHPKLP IQRSGETDPGRKSPSRPILDGKLEPCPEVDVGKLVSRQLQDGGTKITPK
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	IHC-P,
Format	Liquid
Size	100 µl
Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Preservative	0.02% Sodium Azide

Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
----------------	---

GENE INFORMATION

Gene Name	OPHN1 oligophrenin 1 [Homo sapiens (human)]
Official Symbol	OPHN1
Synonyms	OPHN1; oligophrenin 1; OPN1; MRX60; ARHGAP41; oligophrenin-1; mental retardation, X-linked 60; oligophrenin-1, Rho-GTPase activating protein;
Entrez Gene ID	4983
Protein Refseq	NP_002538
UniProt ID	O60890
Chromosome Location	Xq12
Pathway	Regulation of RhoA activity; Signal Transduction.
Function	Rho GTPase activator activity; actin binding; ionotropic glutamate receptor binding; phospholipid binding