



Anti-OPHN1 (aa 641-734) polyclonal antibody (DPAB-DC2063)

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	OPHN1 (NP_002538, 641 a.a. ~ 734 a.a) partial recombinant protein with GST tag. The sequence is QRSGETDPGRKSPSRPILDGKLEPCPEVDVGKLVSRQLQDGGTKITPKATNGPMPGSGPTK TPSFHIKRPAPRPLAHHKEGDADSFVKVRPPGEK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. 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