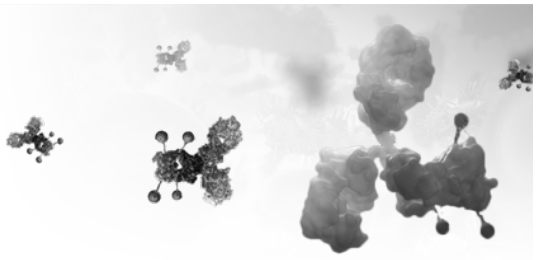

Anti-OBSCN (aa 1551-1649) polyclonal antibody (DPAB-DC3455)

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

PRODUCT INFORMATION

Antigen Description	The obscurin gene spans more than 150 kb, contains over 80 exons and encodes a protein of approximately 720 kDa. The encoded protein contains 68 Ig domains, 2 fibronectin domains, 1 calcium/calmodulin-binding domain, 1 RhoGEF domain with an associated PH domain, and 2 serine-threonine kinase domains. This protein belongs to the family of giant sacromeric signaling proteins that includes titin and nebulin, and may have a role in the organization of myofibrils during assembly and may mediate interactions between the sarcoplasmic reticulum and myofibrils. Alternatively spliced transcript variants encoding different isoforms have been identified.
Immunogen	OBSCN (XP_290923, 1551 a.a. ~ 1649 a.a) partial recombinant protein with GST tag. The sequence is KAGMGPYSSPSEQVLLGGPSHLASEEESQGRSAQPLPSTKTFAFQTQIQRGRFSVVRQCW EKASGRALAAKIIPYHPKDKTAVLREYEALKGLRHPHLA
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.

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GENE INFORMATION

Gene Name	OBSCN obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF [Homo sapiens (human)]
Official Symbol	OBSCN
Synonyms	OBSCN; obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF; UNC89; ARHGEF30; obscurin; obscurin-MLCK; obscurin, myosin light chain kinase;
Entrez Gene ID	84033
Protein Refseq	NP_001092093
UniProt ID	Q5VST9
Chromosome Location	1q42.13
Pathway	Cell death signalling via NRAGE, NRIF and NADE; GPCR downstream signaling; Regulation of RhoA activity; Signal Transduction
Function	ATP binding; Rho guanyl-nucleotide exchange factor activity; ankyrin binding; calmodulin binding

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