



Anti-ASCL1 (aa 137-236) polyclonal antibody (DPAB-DC1929)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the basic helix-loop-helix (BHLH) family of transcription factors. The protein activates transcription by binding to the E box (5-CANNTG-3). Dimerization with other BHLH proteins is required for efficient DNA binding. This protein plays a role in the neuronal commitment and differentiation and in the generation of olfactory and autonomic neurons. Mutations in this gene may contribute to the congenital central hypoventilation syndrome (CCHS) phenotype in rare cases.
Immunogen	ASCL1 (NP_004307, 137 a.a. ~ 236 a.a) partial recombinant protein with GST tag. The sequence is GFATLREHVPNGAANKKMSKVETLRSAYEYIRALQQLLDEHDAVSAAFQAGVLSPTISPN YSNDLNSMAGSPVSSYSSDEGSYDPLSPREEQLLDFTNWF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Transfected lysate), 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	ASCL1 achaete-scute family bHLH transcription factor 1 [Homo sapiens (human)]
Official Symbol	ASCL1
Synonyms	ASCL1; achaete-scute family bHLH transcription factor 1; ASH1; HASH1; MASH1; bHLHa46; achaete-scute homolog 1; ASH-1; achaete scute protein; achaete-scute complex-like 1; achaete-scute complex homolog 1; class A basic helix-loop-helix protein 46;
Entrez Gene ID	429
Protein Refseq	NP_004307
UniProt ID	P50553
Chromosome Location	12q23.2
Pathway	Delta-Notch Signaling Pathway; Notch-mediated HES/HEY network;
Function	DNA binding; E-box binding; bHLH transcription factor binding; double-stranded DNA binding