

Anti-ASCL1 Reference Antibody (Abbvie StemCentrx patent anti-ASCL1)

Catalog # APR11531

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P50553
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	25454

Additional Information

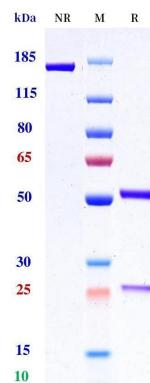
Target/Specificity	ASCL1
Expression system	CHO

Protein Information

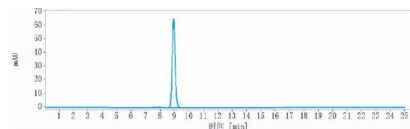
Name	ASCL1 (HGNC:738)
Function	Transcription factor that plays a key role in neuronal differentiation: acts as a pioneer transcription factor, accessing closed chromatin to allow other factors to bind and activate neural pathways. Directly binds the E box motif (5'-CANNTG-3') on promoters and promotes transcription of neuronal genes. The combination of three transcription factors, ASCL1, POU3F2/BRN2 and MYT1L, is sufficient to reprogram fibroblasts and other somatic cells into induced neuronal (iN) cells in vitro. Plays a role at early stages of development of specific neural lineages in most regions of the CNS, and of several lineages in the PNS. Essential for the generation of olfactory and autonomic neurons. Acts synergistically with FOXN4 to specify the identity of V2b neurons rather than V2a from bipotential p2 progenitors during spinal cord neurogenesis, probably through DLL4-NOTCH signaling activation. Involved in the regulation of neuroendocrine cell development in the glandular stomach (By similarity).
Cellular Location	Nucleus {ECO:0000250 UniProtKB:Q02067}.

Images

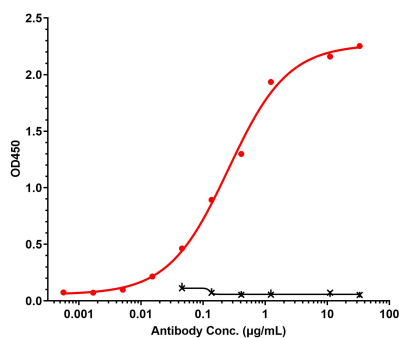
Anti-ASCL1 Reference Antibody (Abbvie StemCentrx patent anti-ASCL1) on SDS-PAGE under reducing (R)



condition. The purity of the protein is greater than 95%.



The purity of Anti-ASCL1 Reference Antibody (Abbvie StemCentrx patent anti-ASCL1) is 97.77%, determined by SEC-HPLC.



Immobilized ASCL1-CHis, It's target at 2 µg/mL can bind Abbvie StemCentrx patent anti-ASCL1, EC₅₀= 0.2545 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.