

Datasheet for ABIN7126933

anti-SCXA antibody



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Overview

Quantity:	100 µg
Target:	SCXA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SCXA antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant full-length human SCXA protein
Isotype:	IgG2a
Specificity:	<p>Transcription factors are proteins that bind DNA adjacent to genes and control the production of mRNA transcripts. Scleraxis (basic helix-loop-helix transcription factor scleraxis) is a 201 amino acid protein that dimerizes with another bHLH protein to initiate transcription. Scleraxis is known to play a role in formation of mesoderm and somite-derived chondrogenic lineages. Scleraxis localizes to the nucleus and contains one bHLH domain. bHLH transcription factors, in general, function in cellular differentiation, proliferation, and oncogene regulation. The gene encoding Scleraxis maps to human chromosome 8, which consists of nearly 146 million base pairs, houses more than 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.</p>

Product Details

Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	SCXA
Alternative Name:	SCX (SCXA Products)
Background:	Basic helix loop helix transcription factor scleraxis, bHLHa41, bHLHa48, Class A basic helix-loop-helix protein 41, Class A basic helix-loop-helix protein 48, scleraxis homolog A, SCX, SCXB,SCXA Cellular localisation: Nucleus.
Molecular Weight:	22kDa
Gene ID:	642658, 723088
UniProt:	Q7RTU7

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), ,Optimal dilution for a specific application should be determined. Positive_Control: HeLa or HepG2 cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months