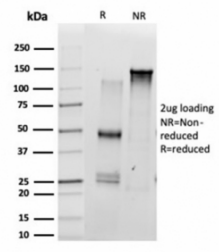
Scleraxis Antibody / SCXA [clone PCRP-SCXA-1D2] (V5606)

Catalog No.	Formulation	Size
V5606-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5606-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5606SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-SCXA-1D2
Purity	Protein A/G affinity
UniProt	Q7RTU7
Localization	Nucleus
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-3ug/ml
Limitations	This Scleraxis antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free Scleraxis antibody (clone PCRP-SCXA-1D2) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the Scleraxis antibody should be determined by the researcher.

Immunogen

Recombinant full-length human SCXA protein was used as the immunogen for the Scleraxis antibody.

Storage

Aliquot the Scleraxis antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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