

Anti-SOX11 Antibody (4S363)

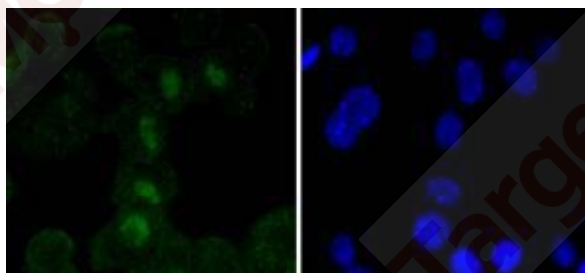
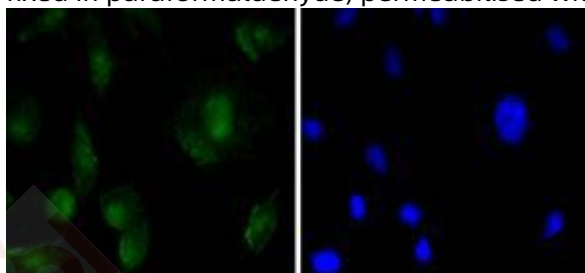
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 47 kDa.
Clone:	4S363
Purification:	ProA affinity purified

Applications

Verified Activity:

1. ICC staining SOX11 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
2. ICC staining SOX11 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application:	ICC/IF,IP,WB
Recommended	WB: 1:500-1000; ICC/IF: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P35716
Synonyms:	MRD27;SRY (sex determining region Y) box 11;Transcription factor SOX-11;SOX11_HUMAN;SRY-box 11;SOX 11;SRY related HMG box gene 11

Research Background

The Sox family are comprised of members that are related to the mammalian sex determining gene SRY. The Sox family of genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at least 40 different loci that rapidly diverged in various animal lineages. At present, 30 Sox genes have been identified. Members of this family have been conserved during evolution and play key roles during animal development. Some are involved in human diseases, including sex reversal. Sox-11 (SRY (sex determining region Y)-box 11) is a 441 amino acid nuclear protein expressed mainly in the nervous system. Containing an HMG box DNA-binding domain, Sox-11 may play a critical role in the developing nervous system.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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