



Mouse Anti-Human Nestin monoclonal antibody, clone JID749 (CABT-L3001)

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

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human Nestin
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID749
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Tonsil
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Nestin is a type IV intermediate filament protein that is expressed in dividing cells during early stages of Central Nervous System (CNS) and Peripheral Nervous System (PNS) development, as well as that of myogenic and other tissue types. Overexpression of nestin has been clinically linked to human gliomas, as well as tumors of the CNS such as astrocytoma, ependymoma, oligodendroglioma, glioblastoma, and primitive neuroectodermal tumors. Nestin expression has also been indicated in prostatic adenocarcinoma, pancreatic ductal carcinoma, thyroid carcinoma, and mesenchymal tumors such as gastrointestinal stromal tumor and dermatofibrosarcoma protuberans. Reports have suggested that nestin is significantly overexpressed in melanoma, and linked to more advanced stages of the disease.
Keywords	ESTM 46;ESTM 46;ntermediate filament protein;Intermediate filament protein;Nes;NEST;Nestin;NES