

ARG59534 anti-Brachyury antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Brachyury
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Brachyury
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 15-43 of Human Brachyury.
Conjugation	Un-conjugated
Alternate Names	Protein T; TFT; Brachyury protein; SAVA

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	NCI-H460	

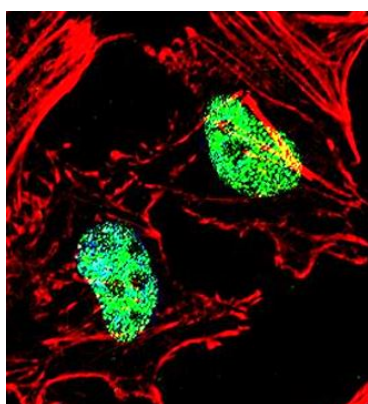
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

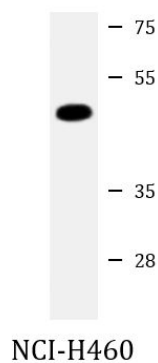
Gene Symbol	T
Gene Full Name	T brachyury transcription factor
Background	The protein encoded by this gene is an embryonic nuclear transcription factor that binds to a specific DNA element, the palindromic T-site. It binds through a region in its N-terminus, called the T-box, and effects transcription of genes required for mesoderm formation and differentiation. The protein is localized to notochord-derived cells. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]
Function	Involved in the transcriptional regulation of genes required for mesoderm formation and differentiation. Binds to a palindromic site (called T site) and activates gene transcription when bound to such a site. [UniProt]
Calculated Mw	47 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG59534 anti-Brachyury antibody ICC/IF image

Immunofluorescence: HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then stained with ARG59534 anti-Brachyury antibody (green) at 1:25, 1 hour at 37°C. Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml, 1 hour at 37°C). Nuclei were counterstained with DAPI (blue).



ARG59534 anti-Brachyury antibody WB image

Western blot: 20 µg of NCI-H460 cell lysate stained with ARG59534 anti-Brachyury antibody at 1:2000 dilution.