

# Immunotag™ Tenascin-C Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT5548
Product Description	Immunotag™ Tenascin-C Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Tenascin-C
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human TNC. AA range:2151-2200
Specificity	Tenascin-C Polyclonal Antibody detects endogenous levels of Tenascin-C protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TNC
Accession No.	P24821 Q80YX1
Alternate Names	TNC; HXB; Tenascin; TN; Cytotactin; GMEM; GP 150-225; Glioma-associated-extracellular matrix antigen; Hexabrachion; JI; Myotendinous antigen; Neuronectin; Tenascin-C; TN-C

## Antibody Specification

Description	tenascin C(TNC) Homo sapiens This gene encodes an extracellular matrix protein with a spatially and temporally restricted tissue distribution. This protein is homohexameric with disulfide-linked subunits, and contains multiple EGF-like and fibronectin type-III domains. It is implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity, and neuronal regeneration. [provided by RefSeq, Jul 2011],
Cell Pathway/ Category	Focal adhesion,ECM-receptor interaction,
Protein Expression	Brain,Fetal brain,Fetal cartilage,Glioblastoma,Human fetal kidney,Liver,Melanoma,Milk,Plasma,
Subcellular Localization	extracellular region,basement membrane,interstitial matrix,extracellular space,focal adhesion,membrane,extracellular matrix,
Protein Function	Isoforms are produced in a tissue- and time-specific manner during development,function:Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth from cortical neurons grown on a monolayer of astrocytes. Ligand for integrins alpha-8/beta-1, alpha-9/beta-1, alpha-V/beta-3 and alpha-V/beta-6.,induction:By TGF-beta.,PTM:N-glycosylated.,similarity:Belongs to the tenascin family.,similarity:Contains 1 fibrinogen C-terminal domain.,similarity:Contains 15 EGF-like domains.,similarity:Contains 15 fibronectin type-III domains.,subunit:Homohexamer; disulfide-linked. A homotrimer may be formed in the triple coiled-coil region and may be stabilized by disulfide rings at both ends. Two of such half-hexabrachions may be disulfide linked within the central globule. Interacts with CSPG4.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.