TNR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TNR, Polyclonal Antibody
Full Product Name	TNR Antibody, HRP Conjugated
Product Gene Name	anti-TNR antibody
Product Synonym Names	Tenascin-R; TN-R; Janusin; Restrictin; TNR
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95% Protein G Purified
Preparation and Storage	Upon receipt, store at-20 degree C or-80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: TNR (MBS7113774) HRP Conjugated Antibody: TNR (MBS7113775)
Molecular Weight	139,695 Da
3D Structure	ModBase 3D Structure for Q92752
Immunogen Species	Human
Immunogen	Recombinant Human Tenascin-R protein (1231-1319AA)
Conjugate	HRP
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-TNR antibody	Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TNR antibody	ELISA (EIA)
Related Product Information for anti-TNR antibody	MBS7113775 is an antibody targeting TNR. Also known as TNR Antibody, HRP Conjugated. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-TNR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNR. It may not necessarily be applicable to this product.

NCBI GI #	157384973

NCBI GeneID	7143
NCBI Accession #	NP_003276.3
UniProt Primary Accession #	Q92752
UniProt Secondary Accession #	Q15568; Q5R3G0; C9J563
UniProt Related Accession #	Q92752
GenBank Nucleotide #	NM_003285.3
NCBI Official Full Name	tenascin-R isoform 1
NCBI Official Synonym Full Names	tenascin R
NCBI Official Symbol	TNR
NCBI Official Synonym Symbols	TN-R
UniProt Protein Name	Tenascin-R
UniProt Synonym Protein Names	Janusin; Restrictin
Protein Family	Tenascin
UniProt Gene Name	TNR
UniProt Synonym Gene Names	TN-R
NCBI Protein Information	tenascin-R
NCBI Summary for TNR	This gene encodes a member of the tenascin family of extracellular matrix glycoproteins. The encoded protein is restricted to the central nervous system. The protein may play a role in neurite outgrowth, neural cell adhesion and modulation of sodium channel function. It is a constituent of perineuronal nets. [provided by RefSeq, Aug 2013]
UniProt Comments for TNR	Neural extracellular matrix (ECM) protein involved in interactions with different cells and matrix components. These interactions can influence cellular behavior by either evoking a stable adhesion and differentiation, or repulsion and inhibition of neurite growth. Binding to cell surface gangliosides inhibits RGD-dependent integrin-mediated cell adhesion and results in an inhibition of PTK2/FAK1 (FAK) phosphorylation and cell detachment. Binding to membrane surface sulfatides results in a oligodendrocyte adhesion and differentiation. Interaction with CNTN1 induces a repulsion of neurons and an inhibition of neurite outgrowth. Interacts with SCN2B may play a crucial role in clustering and regulation of activity of sodium channels at nodes of Ranvier. TNR-linked chondroitin sulfate glycosaminoglycans are involved in the interaction with FN1 and mediate inhibition of cell adhesion and neurite outgrowth. The highly regulated addition of sulfated carbohydrate structure may modulate the adhesive properties of TNR over the course of development and during synapse maintenance ().
Research Articles on TNR	**1.** Two genes, TNR (and TNK2), were found to have genetic variations linked to familial Parkinson's Disease.
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