

# Product Datasheet

## TGF-beta RII Antibody (RM0132-6G11) - Azide and BSA Free NBP1-22508

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP1-22508**

TGF-beta RII Antibody (RM0132-6G11) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RM0132-6G11
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterilized PBS to a final concentration of 0.5 mg/ml.
Isotype	IgG2
Purity	Protein A or G purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS. 0.025 mg size is provided in liquid form, PBS

Product Description	
Description	Novus Biologicals Rat TGF-beta RII Antibody (RM0132-6G11) - Azide and BSA Free (NBP1-22508) is a monoclonal antibody validated for use in WB. Anti-TGF-beta RII Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	7048
Gene Symbol	TGFBR2
Species	Mouse
Specificity/Sensitivity	This antibody does not cross-react with mouse TGF-beta RI.
Immunogen	Mouse recombinant TGF-beta RII (extracellular domain)

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:500-1:1000

**Publications**

Palazuelos J, Klingener M, Aguirre A. TGFbeta Signaling Regulates the Timing of CNS Myelination by Modulating Oligodendrocyte Progenitor Cell Cycle Exit through SMAD3/4/FoxO1/Sp1. J. Neurosci. 2014-06-04 [PMID: 24899714]

## Details:

Figure 1 C - Analysis of TGF beta-RII, pSMAD2/3, and MBP expression levels by WB during postnatal myelination (P8–P60), performed with SCWM protein extracts; IHC demonstrates that TGF-betaRII and its downstream targets pSMAD2/3 are expressed at the onset of myelination. At P15, TGFbeta-RII (Figure 1 E, F); Immunofluorescence of TGF beta -RII in CNP-EGFP<sup>low</sup> FACS-sorted cells cultured under differentiating conditions showing higher levels of TGF beta -RII in cells undergoing oligodendrocyte differentiation compared with oligodendrocyte progenitor (Figure 1N).





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### **Products Related to NBP1-22508**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
7754-BH-005/CF	TGF-beta 1 [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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