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Datasheet for 100-401-E46

Testicular Receptor 4 (TR4) Antibody

Overview

Description:	Anti-Testicular Receptor 4 (TR4) (RABBIT) Antibody - 100-401-E46
Item No.:	100-401-E46
Size:	100 µL
Applications:	WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Testicular receptor 4 (TR4) is a member of the orphan nuclear receptor superfamily. Data suggests that TR4 may function as a regulator that modulates many signaling pathways. It has been suggested that TR4 is required for normal cerebellar development as TR4 knockout mice exhibit behavioral deficits in motor coordination and plays important roles in growth, embryonic and early postnatal survival. Anti-TR4 Antibody is ideal for investigators involved in Cell Signaling, Neuroscience, and Stem Cell research.
Synonyms:	Nuclear receptor subfamily 2 group C member 2, Orphan nuclear receptor TAK1, Orphan nuclear receptor TR4, Testicular receptor 4, Nr2c2, Mtr2r1, Tak1, Tr4, Nr2c2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	Nr2c2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-TR4 Antibody was produced in rabbit by repeated immunizations with TR4 fusion protein from the N-terminal region of the Testicular Receptor 4 protein.

Purity/Specificity:	Anti-Testicular receptor 4 antibody is directed against mouse Testicular receptor 4 protein. Testicular Receptor 4 antibody was prepared from monospecific neat serum.
Relevant Links:	• UniProtKB - P49117 • GeneID - 22026 • UniProtKB - P49117.1

Application Details

Tested Applications:	WB
Application Note:	Anti-TR4 (Rabbit) has been tested in Western Blotting. Anti-TR4 antibodies are specific for the ~64 kDa TR4 protein by Western blot in cerebellum and nuclear extracts from MEL cell lines. Reactivity is expected from human and rat. Researchers should determine optimal titers for applications that are not stated below.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1:1000

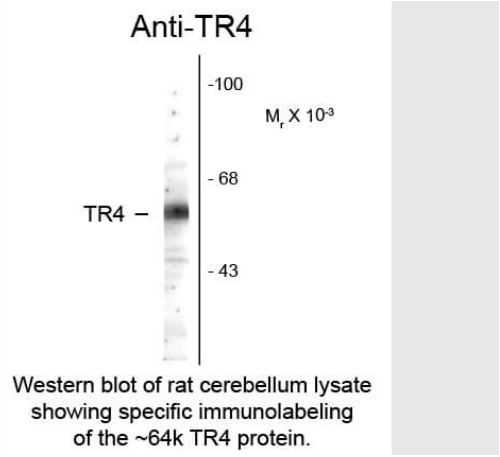
Formulation

Physical State:	Liquid
Concentration:	Titrated value sufficient to run approximately 10 mini blots.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western blot of rat cerebellum lysate showing specific immunolabeling of the ~64k TR4 protein.

Western Blot

Western Blot of Rabbit Anti-Testicular Receptor 4 (TR4) Antibody. Lane 1: rat cerebellum lysate. Lane 2: none. Load: 10 µg per lane. Primary antibody: TR-4 antibody at 1:1000 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~64 kDa, ~64 kDa for TR 4 protein. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.