Datasheet for ABIN5518794

anti-TNFRSF10B antibody (AA 233-440)

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Overview

Quantity:	100 µg
Target:	TNFRSF10B
Binding Specificity:	AA 233-440
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFRSF10B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 10B(TNFRSF10B) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human DR5 recombinant protein (Position: K233-S440). Human DR5 shares 48.4% amino acid (aa) sequence identity with mouse DR5.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 10B(TNFRSF10B) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: tumor necrosis factor receptor superfamily, member 10b Protein Name: Tumor necrosis factor receptor superfamily member 10B
Purification:	Immunogen affinity purified.

Target Details

Target:	TNFRSF10B
Alternative Name:	TNFRSF10B (TNFRSF10B Products)
Background:	TNFRSF10B(Tumor necrosis factor receptor superfamily, member 10b) is a human gene. It is also known as DR5, CD262, KILLER, TRICK2, TRICKB, ZTNFR9, TRAILR2, TRICK2A, TRICK2B, TRAIL-R2, KILLER/DR5. The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces apoptosis signal. Mice have a homologous gene, tnfrsf10b that has been essential in the elucidation of the function of this gene in humans. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein.By analysis of radiation hybrid panels, this gene is mapped to chromosome 8p22-p21. Northern blot analysis indicated that TRAILR2 was expressed as a 4.4-kb mRNA in all tissues tested, with the highest levels of expression in peripheral blood lymphocytes, spleen, and ovary. Synonyms: CD262 antigen | Cytotoxic TRAIL receptor 2 | DR5 | Dr5 | Killer | KILLER | O14763 | TNFRSF10B | TR10B | trail r2 | trailr 2 | TRAILR2 | TRAIL-R2 | TRICK2 | TRICK2A | TRICK2B
Gene ID:	8795
UniProt:	O14763
Pathways:	p53 Signaling, Apoptosis, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

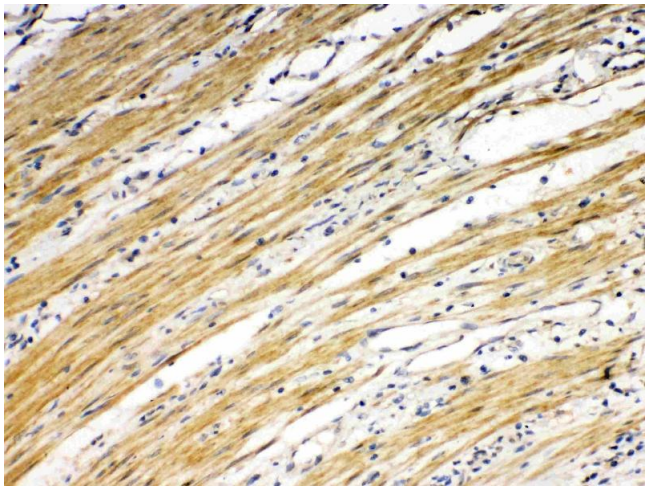
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

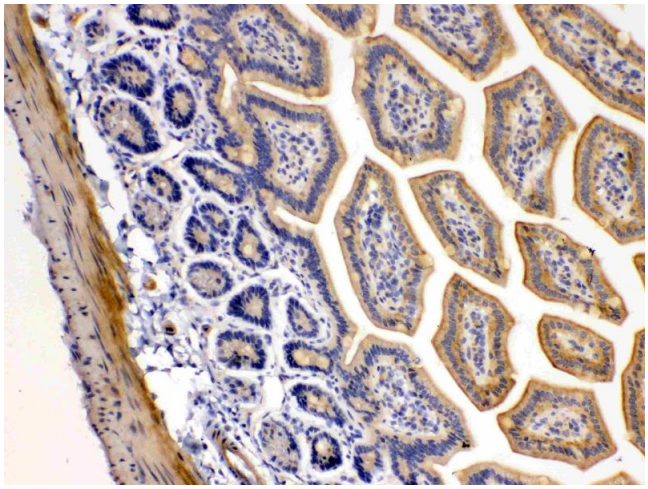
Product cited in:	Leira, Iglesias-Rey, Gómez-Lado, Aguiar, Campos, DAiuto, Castillo, Blanco, Sobrino: " Porphyromonas gingivalis lipopolysaccharide-induced periodontitis and serum amyloid-beta peptides." in: **Archives of oral biology**, Vol. 99, pp. 120-125, (2019) (PubMed).

Images



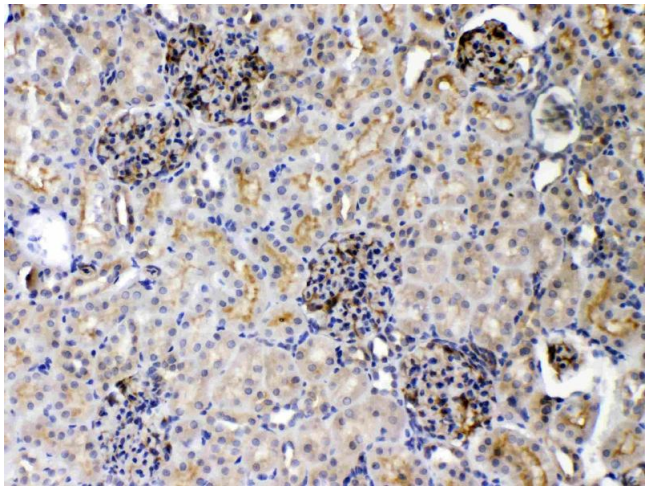
Immunohistochemistry

Image 1. DR5 was detected in paraffin-embedded sections of human intetsinal cancer tissues using rabbit anti- DR5 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. DR5 was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti- DR5 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 3. DR5 was detected in paraffin-embedded sections of rat kidney tissues using rabbit anti- DR5 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the product details page for more images. Overall 4 images are available for ABIN5518794.